

30 years Numbers & Oddities



27364	92836	89428	81268	74782	46498	32764	31277
48932	78987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43296
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	76587	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

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Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

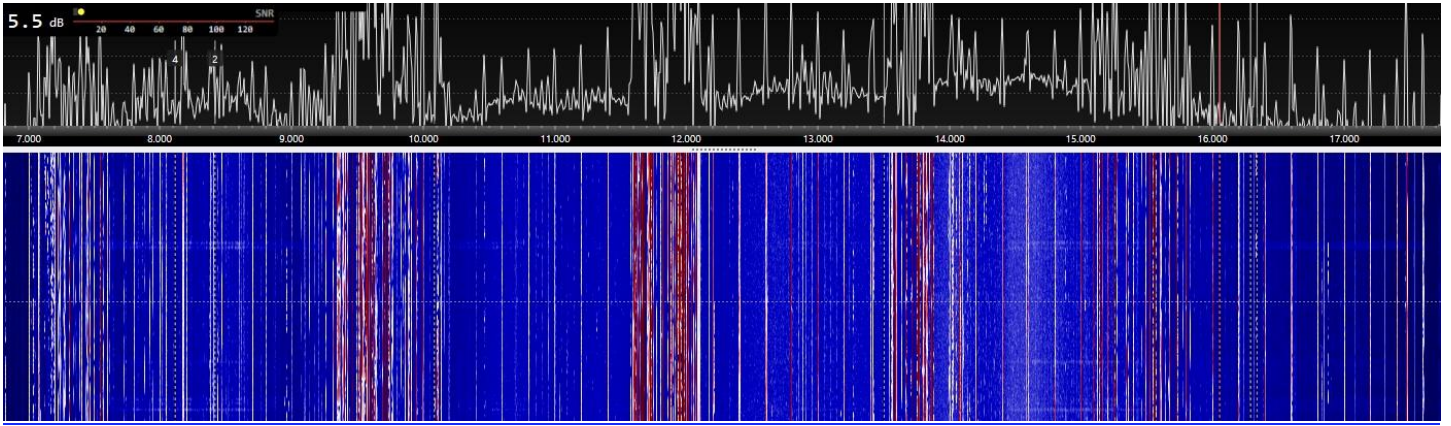


-. .- -- -... . -- -. -. --- -. -.. .. -

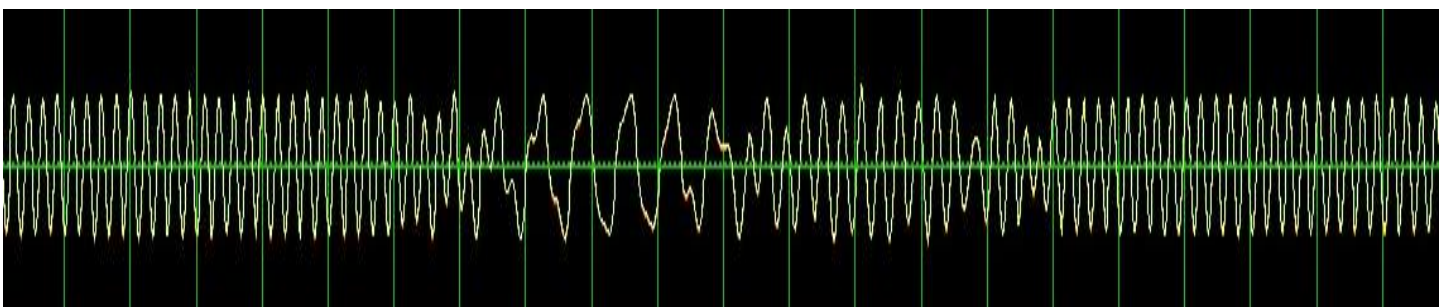


Numbers and Oddities

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FOREWORD

"Numbers stations are things of the past" said someone to me recently. 2500 unique log entries prove that this is not true. The stations are still very much alive and kicking. As always I'd like to thank the Priyom team and other contributors for their logs, transcripts, recordings and continuing support.



The new video made by the Radio Free Europe / Radio Liberty investigative unit "Systema" shows how a big radio war was unleashed along with the hostilities. The video features some recordings made by Numbers & Oddities.

Since the first day of the full-scale invasion of Ukraine, the Russian army has been using publicly available radio frequencies. Russian military communications were immediately intercepted and decoded by Ukrainian communicators and volunteer radio amateurs around the world.

<https://www.youtube.com/watch?v=3kqMQ-dC0EE&t=235s>

VOICE STATIONS

E06

9463/6792 kHz, 08-02, 1600/1630 UTC

12093/9412 kHz, 09-02, 0730/0800 UTC

480 567 44

48194 58243 95412 01369 84046 48783 14065 91495 94265 40817

31861 14506 61951 96102 57512 12984 92802 32613 05947 19687

02731 53649 49851 98102 08630 91413 78647 05159 96853 60898

83416 04671 19253 69608 42013 10326 68057 12070 06590 64894

76950 24975 23243 68487

567 44 00000

9463/6792 kHz, 22-02, 1600/1630 UTC

12093/9412 kHz, 23-02, 0730/0800 UTC

480 156 43

18914 73876 24235 89534 69052 05387 21794 08296 27319 15975

24528 49089 82646 48386 61451 81920 74961 68407 50395 62412

59848 06270 18038 24614 60145 31345 37528 41756 63043 82747

80347 28563 65029 15735 23290 36971 38716 08321 03126 07860

43847 57021 24734

156 43 00000

15643/13547 kHz, 19-02, 1000/1030 UTC

13389/10463 kHz, 19-02, 1400/1430 UTC

527 149 35

13460 16918 15448 34431 86720 88587 92714 75822 71217 10008

50646 00374 72255 25645 76283 41901 26959 36333 24853 06778

93428 38798 86111 49433 47021 00823 28925 38981 32204 14241

35004 71636 43403 92957 57730

149 35 00000

15643/13547 kHz, 24-02, 1000/1030 UTC

13389/10463 kHz, 24-02, 1400/1430 UTC

527 186 37

05815 27491 81052 69892 19978 28380 27950 77113 22006 79347

43090 35072 26895 98321 05824 64131 29509 99833 64857 63070

74984 40789 35853 40837 36264 01886 77251 39421 47191 46857

55259 02521 64619 26743 33928 69707 57954

186 37 00000

13368/12168/11168 kHz, 1410/1430/1450 UTC

13368/12168/11168 kHz, 01-02, 1410/1430/1450 UTC

745 745 745 1 582 167 582 167

03718 95620 66945 78759 25600 90963 76500 79741 44877 00924
11124 25257 99408 25434 83890 08532 12212 30236 47545 46641
05375 84845 16224 70264 38344 27257 30571 71379 80088 40130
95349 98088 87597 05057 66086 10216 69007 82808 23366 53062
28560 82572 95627 77018 62961 95350 09218 88169 34136 01052
51221 68655 76066 12891 82550 10048 97017 57771 51185 41998
56161 17836 57012 24432 39046 11419 69466 92686 11356 71799
49242 23816 90558 41613 88059 48622 08098 02336 95842 98430
46306 48270 06595 15423 30008 99033 54642 68620 50167 37615
60135 21874 56050 68669 14400 41749 50241 29220 98498 62047
01504 34256 53383 51974 27018 34251 43263 84296 13551 33389
78027 16306 30129 67644 95009 43092 91184 58961 51822 76010
36608 00381 66773 58080 76685 46602 41084 44838 16561 22936
46534 31276 34011 05155 69195 87172 79810 37656 51712 75594
01720 04152 48199 77725 87942 26468 67122 74407 76774 00193
40353 20983 57959 95937 31196 43522 05717 96085 81678 20014
09554 91507 47265 38355 46012 29640 28273 000 000

13368/12168/11168 kHz, 13-02/15-02, 1410/1430/1450 UTC

745 745 745 1 162 130 162 130

40867 50645 32919 35165 03524 11952 90766 09060 75826 18703
04622 31790 71767 30693 03712 88997 41030 08855 72918 19979
11353 46519 91025 81462 56169 80171 54546 01865 22921 41046
20819 06845 24843 38382 46455 60439 62539 84666 16357 14244
29207 41597 02048 52618 09976 86396 89369 25580 25025 09599
97403 13651 91378 73157 40844 38127 40249 35241 60098 62686
05654 48258 03711 76457 29809 98505 85007 23764 88712 12303
17849 64743 86552 37029 36006 38899 25249 24670 45225 17363
67009 21704 05329 40742 89016 47535 93414 49361 34363 62582
89356 02195 03169 07216 11300 29820 71306 76846 02697 51969
84666 60766 49945 56096 09151 79375 37964 32630 07540 79835
01300 37333 34896 69683 24360 69425 00013 49502 83965 50735
50395 02525 74056 58565 22982 14416 01409 43820 63219 31699
000 000

13368/12168/11168 kHz, 27-02, 1410/1430/1450 UTC

745 745 745 1 729 119 729 119

14761 46923 40876 23839 35420 46930 92824 54541 82809 24565
91763 15615 50045 35061 59023 34696 93734 67207 95504 86363
57640 86923 99155 20838 85194 91157 95418 63008 30307 87261
65467 85259 58414 70944 07921 84313 88455 83901 61469 07764
24019 63500 63627 29879 32878 38528 46507 66473 43739 28022
51433 33842 35694 05284 66838 44783 44093 67782 39066 07967
14652 50529 96580 45932 46434 51813 17040 97802 59731 41896
89254 39313 69806 09541 37170 93845 19823 20524 18748 53298
23255 91042 91835 48724 80206 82450 14446 84518 70873 58424
60846 84083 54013 20603 76094 93083 28015 47323 93414 24095
28247 12009 14352 73646 26399 93196 33005 48717 76558 93147
31184 45579 99616 80941 45345 99268 36725 44737 88941 000 000

15858/14458/12158 kHz, 04-02/07-02, 1500/1520/1540 UTC

841 841 841 1 9797 98 9797 98
01857 40280 58518 28250 26453 27011 04018 14305 43593 86300
10875 68109 01179 78137 32755 86552 95200 00016 64211 21787
46124 60893 39272 98363 65847 78972 35904 62166 21134 85998
97555 34425 50323 30504 80200 55109 51174 28614 02765 81106
62642 69504 60945 51347 34812 55189 18972 35627 28161 46840
00890 88466 37262 16454 74721 41619 11743 28554 69448 10500
55633 53347 52887 12778 08996 29320 82496 88350 08726 47497
78166 91542 86727 60698 21407 00186 56837 72157 39578 81474
49061 33812 76522 54216 04222 04730 24881 13159 31534 13312
71423 11102 76142 02421 09358 24084 49297 65130 000 000

15858/14458/12158 kHz, 18-02/21-02, 1500/1520/1540 UTC

841 841 841 1 5559 164 5559 164
54908 28068 16542 01380 03078 82425 74295 04334 70671 89313
04274 69504 91459 46316 98675 07682 18627 48116 22455 75301
28234 33306 96900 23628 68882 73022 76747 49759 46875 70453
91106 13426 38850 76759 37939 18052 41040 59892 06572 32345
42614 16752 36789 17302 79473 20942 60626 27282 91145 70295
71635 98376 54429 83590 71999 81181 65256 90331 65881 12617
43990 80979 40821 98521 63317 43477 11426 90956 14719 14490
47369 89744 08951 22837 86854 33564 65618 33710 16355 53260
66168 13437 79797 18396 54326 75174 64117 86626 87943 31434
76389 52160 13498 10245 38947 39834 45025 26664 58423 70071
22793 43077 96628 15813 54507 70409 00966 65469 77696 15438
86182 61973 46263 29876 28851 93292 78305 26862 42195 99021
12570 57081 96355 18752 41570 44253 84229 12482 47184 02390
98673 32517 19364 89787 34428 73616 71956 29256 35329 02821
50804 73968 47145 19074 40788 65715 05210 83299 46701 74322
26816 19811 76210 95158 82960 91160 57137 99545 93979 47052
90253 46604 86214 22943 000 000

E11a

4909 kHz, 01-02/02-02, 1530 UTC

360/30 Attention
15482 20013 21538 27373 29414 54224 20655 08061 71690 54409
90416 23098 85336 34477 57944 10685 18801 09200 93757 80254
70814 04537 29515 83856 85632 41536 54098 24017 23557 01714
Attention (message repeated) Out

12089 kHz, 03-02/05-02, 0315 UTC

258/38 Attention
80335 98072 23397 62060 43610 40797 20741 49727 38768 02832
86580 18287 70928 22637 91503 84995 21419 98134 95671 99021
84296 10788 31077 59505 05536 09638 24729 06972 09516 26357
00919 22175 01910 82248 44778 10055 88584 16611
Attention (message repeated) Out

23004 kHz, 03-02/05-02, 0600 UTC

945/36 Attention
40856 66329 34719 01988 98736 47087 24440 25911 70447 78604
26897 51631 89180 48953 05974 05799 59569 35688 11172 79769
45475 29556 98511 42359 25692 70284 69005 78041 72328 26586
25495 68617 27636 98009 56415 97895
Attention (message repeated)

23353 kHz, 03-02/07-02, 0830 UTC

184/25 Attention

12509 68328 95987 32507 82359 16501 83430 77404 98252 73952
37964 93112 36571 98864 75912 86205 50114 69649 86958 28872
97845 32742 35675 25255 12010
Attention (message repeated)

14410 kHz, 03-02/05-02, 1045 UTC

696/34 Attention

70294 33852 00464 92228 09281 69772 59708 33688 42280 63210
34100 50685 76603 25476 29514 29997 69525 31889 29753 70821
40801 30275 26452 16965 16647 71056 76306 06118 81566 00864
41389 12025 05912 07060
Attention (message repeated) Out

12385 kHz, 04-02/06-02, 0645 UTC

511/34 Attention

27538 64629 35534 02433 24994 66731 27160 92933 83593 52174
51856 49777 89020 12223 74225 27150 63529 41030 19880 43262
77507 27593 60221 34386 12888 11432 65411 13310 78348 80912
70232 34215 05234 61503
Attention (message repeated) Out

11559 kHz, 04-02/05-02, 1205 UTC

463/34 Attention

61139 59531 36429 39418 26974 84875 35851 61069 44226 28985
76957 32752 40455 81482 54644 63003 00029 10758 82688 39429
25883 40852 48550 89920 76675 38781 33989 30825 05381 29562
31669 78512 94869 76588
Attention (message repeated) Out

12153 kHz, 04-02/06-02, 1230 UTC

331/32 Attention

33107 49178 54923 49682 74852 66635 41375 41765 01287 79185
78823 35045 07196 49923 30561 07258 02281 43554 79876 33508
05664 76413 90917 04026 52838 81510 15672 93802 48481 38467
80344 45211
Attention (message repeated) Out

13363 kHz, 04-02/08-02, 1430 UTC

912/34 Attention

25841 90042 43341 55376 45762 55702 51281 51055 59266 23826
03540 26616 60476 12966 74946 83655 63643 47468 79181 35539
72195 70656 89198 19246 90336 33651 51252 63415 63270 90250
24909 75599 54222 97895
Attention (message repeated) Out

5432 kHz. 04-02/09-02, 1605 UJTC

232/38 Attention

00159 87803 88208 04341 46923 22164 85130 52546 49281 13867
73850 88018 71839 01446 52983 81259 80870 51200 64356 84658
19918 39995 74956 61881 54138 84535 93541 83856 51820 40410
95685 55509 26444 52653 17498 71797 22024 43961
Attention(message repeated) Out

7469 kHz, 05-02/06-02, 0930 UTC

275/37 Attention

88324 71889 40286 09013 79640 46640 47026 30374 61972 48520
90055 15699 28558 72484 45959 59125 00521 38804 67163 01595
50801 00455 55642 09462 10336 32973 51610 21118 91498 14065
43655 48924 01678 22485 01972 82708 43657
Attention (message repeated) Out

5082 kHz, 06-02/09-02, 2000 UTC

522/37 Attention

74582 19224 88237 84960 19617 42769 42727 33528 32590 78677
61876 27176 47218 53844 62988 81459 00650 69204 66106 42240
88041 33546 93851 40724 02995 05279 68788 34400 65721 00917
20303 21004 55282 10215 48039 79221 03969

Attention (message repeated) Out

7850 kHz, 07-02/09-02, 0600 UTC

351/31 Attention

13190 75904 93101 09717 92650 61390 14649 26333 34608 27361
45344 71399 34133 20114 21889 82498 91683 51659 49602 69429
31518 08432 56018 39027 51897 50304 62863 76847 83035 39343
05958

Attention (message repeated) Out

10487 kHz, 07-09/09-02, 1910 UTC

610/35 Attention

08104 91257 76804 61129 20069 27214 04443 99647 56314 31019
36155 31048 54708 91442 96516 34915 49114 95732 89192 12408
65914 92435 17778 26319 47047 44788 92527 26280 20285 68921
79334 53543 99124 46297 31099

Attention (message repeated) Out

10213 kHz, 10-02, 0745 UTC / 5409 kHz, 13-02, 1530 UTC

261/35 Attention

91608 71592 03898 22162 39132 00648 91175 89652 97332 12415
34527 23652 16291 03971 67732 66693 27809 48044 86952 24170
61175 61050 07277 16258 80701 87483 72057 15626 64454 41503
68896 75585 15466 79909 63469

Attention (message repeated) Out

4909 kHz, 10-02/13-02, 1300 UTC

319/36 Attention

34943 75130 98588 48874 16265 05969 11866 71517 42256 40558
05284 99545 87627 92348 16702 25448 85090 12972 01366 43929
73238 62040 92361 43825 82690 57313 08735 75034 64302 53439
76842 93156 81168 83492 93245 11403

Attention (message repeated) Out

6849 kHz, 10-02/13-02, 1900 UTC

647/36 Attention

43023 52753 74465 43599 39758 22187 62001 13905 25248 69284
97007 35500 34988 98003 11471 64399 79573 62323 11744 87843
63874 09301 93315 54501 74199 78119 00423 86079 32136 83538
53634 53798 26464 70489 62137 40649

Attention (message repeated) Out

14975 kHz, 11-02/14-02, 0715 UTC

631/40 Attention

35135 18025 38128 67071 54603 78276 23961 14214 66172 67979
15363 10938 09647 18619 50208 50975 64440 27003 05104 70254
70721 78510 38621 86468 91567 74966 17753 32102 85033 38283
59037 61459 65632 80271 78737 46037 13270 67133 05302 61105

Attention (message repeated) Out

14611 kHz, 11-02/12-02, 0820 UTC

136/35 Attention

34795 75788 59627 79526 18684 83304 89809 55198 25311 70659
86765 88146 73575 70774 87667 76486 46228 88012 92936 29021
86571 57735 48706 09592 44219 43155 79541 80215 83889 53959
79876 13871 23679 16325 49365

Attention (message repeated) Out

5082 kHz, 12-02/14-02, 1715 UTC

977/35 Attention

18343 71370 54492 02546 92119 02386 53681 32972 68606 99250
10167 96475 72061 20373 63360 03039 44073 72253 97036 65156
74211 48901 73707 72343 23522 93596 46866 95270 55112 02876
98214 42569 85537 41352 22313
Attention (message repeated) Out

12067 kHz, 17-02/19-02, 0845 UTC

715/35 Attention

25407 61164 46012 47732 80289 05202 02166 74642 35785 37051
89215 29185 57397 07968 82167 76478 97203 50651 99358 59397
26001 15304 67622 52532 48386 92028 19797 12103 54284 96852
30753 57125 25184 71206 11998
Attention (message repeated) Out

12924 kHz, 17-02/23-02, 1745 UTC

240/32 Attention

80123 91592 95737 52226 87993 54209 28675 38547 91971 48391
03651 50806 47501 67618 98331 08212 26346 11132 81368 82482
83393 47874 85124 64053 18625 68514 35321 34670 08425 98767
40419 74331
Attention (message repeated) Out

13908 kHz, 18-02/20-02, 0745 UTC

221/31 Attention

25867 51701 64752 79923 10537 25195 66444 09550 22354 82466
78276 36199 39896 69406 01835 62534 93751 37289 01993 97972
65177 07581 16412 08681 18066 05439 12654 48113 91649 45587
93350
Attention (message repeated) out

17378 kHz, 18-02/20--02 0845 UTC

151/38 Attention

71378 99103 68053 00626 82615 50047 35866 88113 24816 96536
31095 64233 51260 44939 77910 07105 38876 08598 76585 09728
04665 48988 53905 14572 70247 16054 14319 82152 06817 87791
03308 87437 52047 81037 01712 85496 39793 62651
Attention (message repeated) Out

9079 kHz, 18-02/21-02, 1000 UTC

302/40 Attention

11310 96147 46327 02241 08777 22345 45504 74253 81737 00309
17473 86057 93348 93594 80138 70856 94655 29689 24086 58510
63564 90758 61511 80324 48942 31730 11589 52334 52845 25729
44711 53669 72593 39111 07386 02013 69465 40751 63386 13641
Attention (message repeated) Out

4505 kHz, 19-02/22-02, 1610 UTC

390/40 Attention

05720 16006 19236 28327 24824 83454 77314 38412 15194 82351
20224 88925 64402 29026 97596 35723 89493 22945 28249 23823
28866 44333 56742 82211 38276 93533 33391 02645 36106 60215
70232 19769 56502 76621 68651 26714 46349 72831 14259 36539
Attention (message repeated) Out

6849 kHz, 21-02/23-02, 1815 UTC

927/33 Attention

26937 95783 84139 10207 80198 53866 03485 71382 63280 79620
18024 68788 60668 96114 62933 01782 62843 93138 82746 38943
99970 40011 42981 35744 24338 71327 74354 07162 60470 21311
51540 76666 11804
Attention (message repeated) Out

5371 kHz, 22-02/23-02, 0700 UTC

495/31 Attention

19106 47845 08560 39761 76088 49082 67421 63835 05248 55694
94126 50689 63782 09719 58232 64786 82429 07369 89769 17130
08412 59984 10986 29102 39231 26247 32754 01831 08589 21618
37727

Attention (message repeated) Out

20167 kHz, 24-02/26-04, 0715 UTC

754/40 Attention

05704 30015 79047 91964 04315 22621 07899 28082 64239 55864
06356 37670 85643 88978 07279 47123 25168 37637 65502 55927
97233 40515 87342 15156 87663 26210 47512 98151 85468 83925
97306 95713 19598 58095 22761 35124 58546 63753 08144 62069

Attention (message repeated) Out

15915 kHz, 24-02/26-02, 0900 UTC

532/40 Attention

88946 78594 51571 68093 80575 87564 84756 13547 98586 89374
50493 68011 86432 15320 46437 02991 42503 15327 07340 68462
67092 70977 19099 05781 94233 37245 45773 98360 77521 25766
24444 31760 47716 35017 53301 97438 95949 85660 88857 29530

Attention (message repeated) Out

6804 kHz, 25-02/28-02, 0700 UTC

577/31 Attention

12985 65413 54411 72851 58910 84316 44913 25198 56571 73232
38347 54585 67993 37582 52400 56992 41095 97293 44717 64773
87490 24944 80389 96400 90689 11589 61012 16424 58537 62613
91313

Attention (message repeated) Out

17378 kHz, 26-02/28-02, 0745 UTC

343/36 Attention

92258 20295 81993 98023 87683 18436 02067 49214 31439 58292
78488 04137 84696 45734 31116 18757 49314 84450 50482 97340
21883 97374 58492 74985 69346 68881 69616 68499 05032 20513
81536 77421 85535 15261 00785 77919

Attention (message repeated) Out

S06

9463/6792 kHz, 01-02, 1600/1630 UTC

12093/9412 kHz, 02-02, 0730/0800 UTC

480 967 43

01623 36197 35823 36819 82674 87036 46405 01462 45347 46343
40935 95780 73480 74683 45912 29148 29310 81791 27958 12860
09121 79501 46751 91039 43282 93106 69537 73584 73513 25315
04574 72149 68937 27193 45340 16512 85080 17193 54869 29501
61754 68159 67505
967 43 00000

9463/6792 kHz, 15-02, 1600/1630 UTC

12093/9412 kHz, 16-02, 0730/0800 UTC

480 657 41

93717 27105 02801 37868 52875 21565 63637 51386 91956 94089
76956 56342 23671 63031 51935 74673 92946 98391 41606 16924
87105 53147 67984 93736 21643 65670 74327 19696 14509 71035
84138 62081 39342 15453 30437 29379 28586 94106 29123 06494
29407
657 41 00000

13547/12093 kHz, 05-02, 0930/1030 UTC

480 213 45
21058 73874 60781 59742 10489 46014 36203 81232 62865 38313
91098 07413 35806 53713 74170 19564 95171 27574 81373 63159
30182 51614 32789 82758 78573 36596 18015 47413 76794 31510
84325 10210 31608 38145 91941 08291 60985 97503 42757 76848
41079 61312 58640 42380 35683
213 45 00000

13547/12093 kHz, 12-02, 0930/1030 UTC

480 932 44
48236 07490 09740 21278 83482 07543 25752 95062 01401 07359
48130 86961 28567 61749 18020 67124 30793 64508 34502 76838
80287 09598 07468 87103 12345 90526 21908 48790 75852 29346
39121 81485 76021 48921 89841 20323 85181 25687 95430 92841
14807 21632 63524 04149
932 44 00000

13945 kHz, 19-02, 0930 UTC

480 239 46
45371 35804 59318 61036 51498 60932 04725 02417 29087 34913
17217 46904 15498 30170 52765 31903 63921 17528 20859 80979
29361 08213 43072 50361 78213 27364 28628 67908 31091 15780
82561 49494 76028 41956 90630 17863 68089 18534 86857 13984
24076 53080 34864 91732 85493 12013
239 46 00000

13945/15634 kHz, 26-02, 0900/0930 UTC

15634 26-02, 1030 UTC
480 729 44
35194 21078 01389 28328 69568 31542 60630 28961 43957 78429
61350 47241 15267 45934 20218 74593 60162 32186 12058 24695
08271 83978 15937 29483 56941 50126 50163 15273 05249 95814
59454 81412 67927 89415 29263 56129 13191 20183 25252 65823
41807 69372 72012 92016
729 44 00000

Pacific schedules

11616/9322 kHz, 03-02/04-02, 0400/0420 UTC

480 196 52
03388 46013 55409 42765 01447 29601 95192 27752 41020 22035
37124 70884 97383 74078 81971 85736 62127 37213 29785 60818
94076 61990 90438 06024 20316 46886 46613 61292 48236 42317
92655 84667 74569 39530 97759 61931 02321 99034 66893 05010
01555 98279 97923 31344 74967 03256 58369 41390 14175 93703
30219 36464
196052 00000

11616/9322 kHz, 05-02/06-02, 0400/0420 UTC

480 725 23
92547 41613 10697 96999 68394 27146 66633 01923 38653 03821
62746 75382 16424 84999 80179 19754 71851 57795 11406 06943
87201 52181 74526
725 23
480 936 33
95720 62109 55545 04150 49030 81465 02606 21991 06696 90922
49572 25443 18129 74327 74641 75291 11253 66288 00829 11483
85194 34393 00817 46142 19095 41998 04642 70734 51717 65017
77398 13345 11539
936 33 00000

11616/9322 kHz, 07-02, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 10-02/11-02, 0400/0420 UTC

480 512 60

54961 47537 76334 89002 16179 98424 02331 14581 11024 52241
93496 01424 03326 19319 32419 92123 29361 72623 16817 14710
01417 09301 86004 08689 06754 89265 32598 77362 37926 30535
97925 58593 15379 65981 74558 31225 88278 91208 64407 99321
24490 58217 65829 21442 25662 94564 88172 77108 28345 52700
17195 87673 77078 19165 79811 33774 80391 38336 81582 36550
512 60 00000

11616/9322 kHz, 12-02/13-02, 0400/0420 UTC

480 697 33

70013 01828 19498 46191 23043 07648 74532 63811 87349 30036
89875 53156 75241 65472 97619 98096 98137 06377 11494 00459
06063 82333 51761 98254 47549 03375 80370 35185 85897 84994
44795 73593 32711
697 33
480 531 23
83691 45024 41737 49792 08745 02967 26762 11147 95015 23514
33973 62063 86295 75412 31006 35222 93518 25995 92878 72481
34838 85339 41534
531 23 00000

11616/9322 kHz, 14-02, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 17-02/18-02, 0400/0420 UTC

480 297 51

67444 68139 47387 19973 77052 20342 86920 98810 19974 92978
12041 92986 92986 28175 65451 37285 56888 77398 19110 81900
84115 47096 99370 61891 76636 68131 74718 79624 20963 21469
67045 04888 42663 93140 72395 22367 62515 48721 02121 81180
62900 59083 80383 26146 62900 69604 58950 15474 25512 30019
35195
297 51 00000

11616/9322 kHz, 19-02/20-02, 0400/0420 UTC

480 163 24

38266 01950 10827 63472 72916 00762 15795 58373 75370 40944
97181 72281 02717 81450 92309 79569 40665 95042 61062 35007
14796 43287 54607 86106
163 24
480 725 26
08958 93224 78147 64182 43884 27057 76427 66710 39795 61136
10355 08604 83479 15414 84743 14197 72964 36738 92399 15372
81889 39470 10968 04528 68116 67297
725 26 00000

11616/9322 kHz, 21-02, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 24-02/25-02, 0400/0420 UTC

480 961 52

18751 60311 74983 09381 44970 58059 09782 77641 77463 75592
68377 03295 59223 02548 47363 86356 50660 17620 98391 50995
77087 44710 02666 86689 78247 19327 96683 45727 39582 63674
41445 57997 09928 93876 52311 49001 35319 07763 31682 72022
63600 26656 71701 90399 99519 89610 19171 70826 15005 23517
19853 73633
961 52 00000

11616/9322 kHz, 26-02/27-02, 0400/0420 UTC

480 537 26
60458 47822 28963 44197 32607 83701 48805 69360 06818 90004
22873 83993 59186 36440 20873 17475 15778 24205 78166 68462
54134 37276 70959 74590 20506 72308
537 26
480 629 31
06115 79499 30062 41915 25602 37262 42288 28995 35181 78237
23406 69983 88118 37875 71240 31910 84083 12150 28831 20770
82031 15739 44047 23340 28031 14898 02732 16671 21469 52235
21327
329 31 00000

11616/9322 kHz, 28-02, 0400/0420 UTC

480 480 480 00000

Test transmissions

11073 kHz, 21-02, 1030 UTC

352 (R4m) 791 55
96484 52682 20435 04938 40840 35755 54672 32508 70672 95126
54041 99237 40381 57066 96252 00496 35862 71347 06613 20019
36810 16491 52991 48484 28329 51586 73687 66635 35304 81890
74162 72644 77957 30380 53539 58396 72045 32440 46838 64394
22108 95900 93864 67959 81227 93580 70696 84420 75734 80540
44708 85982 18285 53237 39070
791 55 00000

9463 kHz, 21-02, 1233 UTC

Weird one: apparently the beginning of the message never transmitted, we only have the ending from a mid-message restart.

801 (R1m)
_____ 95774 64181
80395 53306 06678 90683 86821 24819 10271 84412 62307 76591
41539 06204 15597 50175 72378 11215 75877 33470 27117 20283
18307
245 31 00000

9463 kHz, 24-02, 1400 UTC

1 801 (R3m08s) [3s silence]
801 (R1m10s) 264 53
20790 52108 73907 63374 10159 51814 76099 89420 99718 15663
727 [3s silence] 2775 45798 75769 12737 72207 63186 13368 01583 58523 94138
09834 16544 17071 08639 06262 94011 59487 88177 01691 62080
65656 04319 89654 41993 84752 92662 71765 34866 62557 58166
28053 92085 87228 72741 48715 92841 70713 [1m05s silence]
801 (R1m10s) [10s silence]
801 (R1m)
87228 72741 48715 92841 70713 51078 56991 77230
07995 15634 77830
264 53 00000

Full recomposed message:

801 264 53
20790 52108 73907 63374 10159 51814 76099 89420 99718 15663
72775 45798 75769 12737 72207 63186 13368 01583 58523 94138
09834 16544 17071 08639 06262 94011 59487 88177 01691 62080
65656 04319 89654 41993 84752 92662 71765 34866 62557 58166
28053 92085 87228 72741 48715 92841 70713 51078 56991 77230
07995 15634 77830
264 53 00000

S06g

10755 kHz, 28-02, 0925 UTC

975 975 975 87531 (R) 810 32
53275 45733 93989 53302 06070 06119 88427 40290 76222 39107
95246 37581 47688 66689 10509 31020 52391 37045 92865 77618
69127 87773 23446 2 (25sec silence) 37337 373 (50sec silence)
975 975 975 87531 975 (R) (56sec silence)
975 975 975 87531 (R)
28719 23282 15676 67941 67791
810 32 00000

Recomposed message. Only 29 groups were sent.

Apparently they restarted the transmission from a later point, so we don't have all the groups.

975 87531 810 32
53275 45733 93989 53302 06070 06119 88427 40290 76222 39107
95246 37581 47688 66689 10509 31020 52391 37045 92865 77618
69127 87773 23446 _____ 37337 _____ 28719 23282 15676
67941 67791
810 32 00000

S11a

9050 kHz, 10-02/13-02, 0700 UTC

477/31 Vnimanaye
32516 16079 95046 95010 27853 97523 79254 41431 93411 69963
65275 59834 46334 86700 77470 06292 53677 25887 62668 53571
20690 11929 09467 84437 52843 12141 12113 30475 31521 26633
92492
Vnimanaye (message repeated) Konets

6252 kHz, 10-02/13-02, 0915 UTC

480/38 Vnimanaye
29336 47280 51070 25768 57758 38673 48292 47531 43935 29237
66975 38305 75796 18650 63910 72737 70454 71690 36988 89061
41023 28386 99130 96186 62993 61484 73720 50083 90171 41575
31994 52302 30830 51938 25866 63413 33403 51195
Vnimanaye (message repeated) Konets

11559 kHz, 11-02/13-02, 0445 UTC

797/35 Vnimanaye
39203 88099 73434 12160 06522 29196 67686 39154 40536 20514
41589 38492 65602 38206 67994 59101 96078 20796 56501 10550
79580 22329 82112 61560 13956 87298 10220 28366 90293 51158
42991 90261 43175 43118 99618
Vnimanaye (message repeated) Konets

11486 kHz, 12-02/15-02, 1850 UTC

287/36 Vnimanaye
87258 77110 03453 88801 41587 35703 20702 36488 09753 77625
33657 89168 11637 04296 47490 44370 94182 20210 78047 93517
39306 14713 55306 87739 77884 52534 88786 41647 31705 49916
76071 42488 54684 15029 33545 78624
Vnimanaye (message repeated) Konets

5371 kHz, 15-0/16-02, 0830 UTC

379/35 Vnimanaye
85469 17124 87549 87116 47962 26617 65289 27613 33860 48430
64859 56521 84213 36970 50860 36347 31424 69398 96272 03926
49313 28795 58684 17027 38069 63935 83723 72983 36403 99476
54042 84921 50015 97217 74219
Vnimanaye (message repeated) Konets

10448 kHz, 18-02/21-02, 1400 UTC

426/34 Vnimanije

40952 38104 88267 19769 29570 16449 29356 55705 64425 81019
04518 14194 21045 85986 51694 03239 24459 71174 80952 76891
88248 13088 27732 31441 38718 24806 89764 72876 90900 64580
71857 96072 41192 62098

Vnimanije (message repeated) Konets

21906 kHz, 24-02, 0510 UTC

659/37 Vnimanije

48415 49384 28512 16865 12210 24071 46427 56084 87428 82212
13767 14703 59669 80361 07799 21909 29489 31193 97977 00398
01351 57792 32730 02691 34000 24277 74360 37826 04308 46661
07280 93813 46174 99733 54609 04476 59152

Vnimanije (message repeated) Konets

19515 kHz, 26-02/28-02, 0725 UTC

384/33 Vnimanije

54128 23185 81758 47593 09067 98804 47615 76127 82779 13005
04556 93731 60562 87785 04663 30051 48507 48641 66586 16681
41559 98514 35790 85582 45982 06426 71015 43961 63518 63175
58670 79232 30293

Vnimanije (message repeated) Konets

V07**15817 kHz, 02-02, 0240 UTC**

238 238 238 1 5819 92 5819 92

14463 20582 97561 63762 15707 79962 51613 03774 59349 40770
08463 08039 59848 27506 28677 44000 55109 38947 56913 06025
78833 63984 04151 31291 66329 07268 39067 58372 13187 88767
38069 95943 10667 71013 66925 38881 41254 72347 62959 48101
65476 19375 23050 68064 10162 19515 09437 13871 90490 07872
78156 60391 11778 80066 96354 51604 43451 48124 93830 92042
91716 60267 38987 82047 94604 60383 43602 14991 52180 64633
37985 30822 29847 37497 85665 88891 03339 13686 05041 44239
11454 84309 91425 78363 57157 71446 42281 06838 65513 69140
54554 02823 000 000

18217 kHz, 09-02, 0200 UTC

238 238 238 1 1261 56 1261 56

54927 49191 93028 01826 09793 87206 94163 82247 53359 88591
07792 75862 68237 34906 63549 99950 01065 74841 21942 16218
50155 15470 41797 18547 95515 21449 40638 36934 41010 53059
62500 37517 87669 10104 64289 46851 87330 98897 16243 78911
78490 32834 81313 79276 86863 20357 58004 77687 35159 25764
61185 97105 66154 23815 48301 50173 000 000

18217 kHz, 16-02, 0200 UTC

238 238 238 1 3628 87 3628 87

45098 85712 94149 77347 80378 58258 36794 17972 32463 23614
76038 15462 27254 13353 21460 90729 72109 80785 08941 66752
00221 10528 03203 75120 69847 03407 32378 53434 43434 55544
25157 90272 93873 00160 17064 33684 10619 96933 30412 13643
14621 37067 90359 53086 42535 73848 34743 71042 17952 06812
15234 72921 37552 06611 89567 02272 05987 17816 38260 05806
14302 00449 67217 30587 91516 19121 19710 99468 81497 18646
53255 97305 97010 02481 33673 74578 35108 51475 74653 66286
36400 72102 10585 16817 12932 53694 70941 000 000

18217 kHz, 23-02, 0200 UTC

238 238 238 1 8510 92 8510 92
34388 58492 73265 59544 32260 59855 09453 52806 50463 15732
24022 61706 29390 59868 64499 19452 91689 42295 62378 41643
62321 57170 94220 66177 22478 37643 12477 56988 84688 24276
50432 22895 85178 07051 01271 78961 31576 53409 85857 67634
90475 71892 86122 97165 07383 26256 13820 52925 72912 66317
36349 57400 89853 13541 16118 95576 00464 26309 40551 38313
15775 40938 47644 83699 17535 17028 56895 40862 44435 75693
24088 98061 57429 75428 86348 27977 20204 57004 36920 82665
72143 92811 98811 17916 70855 93862 48551 41159 50067 65217
71186 35166 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analogue voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

We received this lengthy report from FSpY, AVX and Cryptlab. Many thanks for that.

19052 kHz, 03-02, 0000 UTC. New Star Broadcasting. Station 1(a)

19052 kHz, 03-02, 0030 UTC. New Star Broadcasting. Station 1(a)

Unit IDs: 4943, 5090, 5356

Group Counts: 50, 52, 51

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4749 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410
1434 5007 0216 5928 0096 7744 6505 7704 7080 5574

6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936 6288 2799 8770 1612 2731 5436 9606 1743 1570
2680 1774 5767 4981 2851 1559 6097 7396 7463 0803
0763 0597

7954 8058 3815 6119 4367 7407 4938 3412 8187 8169
1413 0934 0671 0602 1938 6728 2274 5702 2544 3658
8370 3745 3148 6563 6921 9029 3186 4786 2964 7666
7404 5519 7235 4116 5420 5957 8804 6688 1123 4716
4036 1147 0538 5485 6733 0807 9216 8386 6813 9269
2772

8169 kHz, 02-02, 0230 UJTC. New Star Broadcasting. Station 1(b)

Unit IDs: 3357, 4364, 4889

Group Counts: 35, 35, 30

6094 1749 3172 6495 3268 0555 2918 0014 8093 3754
8328 1000 4020 1692 5250 9303 9037 0435 4165 2257
5503 6231 6025 3070 2132 2449 7798 0006 1161 9950
3271 9196 5118 0216 9768

5583 0413 1306 7791 2343 8980 5105 5501 0001 6547
5886 8352 1098 8662 5595 0930 6416 5110 8542 2667
5014 5432 7107 2057 3653 4942 6019 6158 5991 8099

4632 6923 7553 9438 0201

0717 8328 3475 2374 9400 4928 1001 0791 3270 9464
7507 0860 7513 8974 6918 0423 5607 6666 1678 2419
1903 9367 3181 4156 8849 5983 4973 2388 0654 3713

Station 1c: 02-02, 1100z/1200z/0000z/0100z always carrier only

8300 kHz, 02-02, 0200 UTC. New Star Broadcasting. Station 2

9276 kHz, 02-02, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 0981, 4281, 6400

Group Counts: 35, 34, 35

7089 5681 3261 9818 8573 4292 6886 9160 9893 9913
8537 6196 3671 3989 7692 1624 2779 6851 8150 8938
1930 0268 5635 8392 4777 9195 8550 7337 9705 6884
1902 8632 4101 4315 0574

7255 1992 9474 9574 4842 3776 6926 1047 7940 4326
0031 2754 0825 9390 1227 8680 3108 9725 9556 2467
7311 0688 5762 8814 8585 4604 0781 8033 0010 7008
4221 3001 4163 7297

8669 1280 7426 2309 8455 1037 0464 5669 4714 4963
7243 2926 4397 4756 9719 2243 5692 6361 4886 8103
4582 6300 2488 3261 3554 1997 7815 0018 0945 2813
9401 6805 7629 2861 2722

13974 kHz, 03-02, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 2280, 2799, 3444

Group Counts: 33, 31, 33

9338 2212 5762 2094 5638 8965 8979 8587 0754 7806
3627 1499 6592 0711 8555 6730 6920 0836 4276 6144
6665 3508 0169 4894 0798 2154 9371 0197 3249 8858
2294 3538 5441

4864 7435 6406 8481 6490 9178 2521 3506 0284 6707
1999 4000 3410 2761 7593 6798 8743 0366 6148 8568
1019 4907 9894 4203 2946 6365 0295 3165 8307 4920
9924

1049 1308 6552 2721 9062 9849 7776 0214 5816 3852
2799 0687 9904 8763 8175 3529 1029 7337 3908 6658
4856 6956 2438 2233 5655 4356 9440 5038 5964 3800
7807 4530 1660

15388 kHz, 02-02, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 4987, 7611, 8243

Group Counts: 35, 33, 33

3490 8247 7017 4085 7282 2012 6258 0390 8612 2117
9908 6650 4482 7916 8542 4851 5905 8699 2581 8241
8545 6550 2938 8509 5331 7027 5993 4031 1192 9074
0946 5075 5918 0970 9945

3137 6651 4200 2318 7959 2892 9624 0377 9120 0029
1451 9996 5255 3486 3505 8296 1093 4549 8907 4177
5378 0134 4267 4118 4752 6434 2830 1112 0953 3098
7896 5694 1746

4308 4498 8049 6274 5884 5382 1552 3164 8505 6322
4198 7190 1661 6075 0123 5393 7559 8343 3292 3660

6575 4042 1692 0127 0440 7062 9591 6908 2803 0682
9568 8725 7597

20095 kHz, 02-02, 1000 UTC. New Star Broadcasting. Station 5

Unit IDs: 0488, 2862, 3818

Group Counts: 35, 32, 31

8809 9635 4934 8703 8659 6692 5847 9442 0458 8162
0544 9471 2614 2348 2064 1914 9832 5209 9157 7540
9786 7038 9426 2763 7496 3563 2277 7040 7372 3109
7074 7578 4217 0494 4856

0033 3078 4378 1400 8134 8877 8729 3486 0986 0187
6707 9165 0030 9872 5353 7776 6327 3486 7080 7460
3418 7254 4676 7549 1848 5757 9391 7567 5752 2241
6370 9864

8632 5876 2135 8439 2709 8792 8053 7564 2449 5881
7029 2465 3955 9516 0516 6779 9552 3752 4496 4086
2097 1032 8327 5237 7629 3956 9487 6112 1910 9636
5264

Notes:

- Most stations send on one or more parallel frequencies, but not always.
- SAT 01-02 station 3 1200z-1530z carrier only.
- SUN 02-02 all slots for station 3 carrier only.
- MON 02-02 station 3 0000z-0130z carrier only.
- FRI 31-01 station 1a 0000/30z nil.
- THU 30-01 station 1a 0000z nil
- THU 30-01 0100/30z station 3 didn't move to the 0100z freq. 18040, stayed on 15890.
- WED 29-01 station 1a 0000z started 90s late.

19052 kHz, 10-02, 0000 UTC. New Star Broadcasting. Station 1(a)

19052 kHz, 11-02, 0030 UTC. New Star Broadcasting. Station 1(a)

Unit IDs: 5510, 5618, 5886, 5995

Group counts: 40, 41, 46, 49

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936

2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803 0763 0597
1065 7954 8058 3815 6119 4367 7407 4938 3412 8187
8169 1413 0934 0671 0602 1938 6728 2274 5702 2544
3658 8370 3145 3148 6563 6921

3186 4786 2964 7666 7404 5519 7235 4116 5420 5957
8804 6688 1123 4716 4036 1147 0538 5485 6733 0807
9216 8386 6813 9269 2772 7008 7344 4999 6637 1582
2299 9464 3648 1266 9868 3062 0544 1019 8666 5543
6970 1006 6687 0165 3098 9042 5351 3270 4423

8169 kHz, 09-02, 0200 UTC. New Star Broadcasting. Station 1(b)

Unit IDs: 3673, 4445, 8688

Group Counts: 32, 35, 34

7048 1450 6127 9876 0168 3910 4904 7888 7599 3838
4010 7348 3950 4973 8997 0476 4544 8850 4745 3769
7844 7352 7784 8199 1222 9451 8156 2492 1070 3190
3738 1251

8913 7355 1392 2319 7738 3556 6227 1252 5110 2130
7754 2799 3959 1237 5679 8992 2268 2601 4044 2301
2540 7466 0707 5637 4308 4478 3996 8449 8507 9067
1298 6626 0955 6977 4825

4821 6865 8788 7478 8916 4383 2420 6030 3493 6610
4991 0352 2312 9555 4826 3846 1148 0611 0605 7827
8283 6841 9823 1872 9082 3469 4695 5627 9107 8701
4314 0103 0742 1071

8300 kHz, 09-02, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 0957, 6063, 7214

Group Counts: 34, 33, 30

2428 8067 1582 0863 6643 4951 6384 0973 3460 1112
6583 7257 9119 2359 4899 7829 2647 1781 1892 2334
2983 8837 5770 8046 4730 9638 6041 1673 6795 7509
0222 7805 4557 1165

7605 3512 0100 1732 9159 2433 6001 2437 8160 3700
9109 0840 6430 3395 6846 8702 4562 7765 1986 6843
8677 1934 5417 4697 6469 3380 3870 0973 2635 7046
0760 7317 3932

4057 3142 7852 0927 3214 8311 7071 3411 2781 4346
0530 2907 1920 2017 0168 2567 2716 6932 9299 0149
5148 9390 9475 4700 7151 8651 4029 7626 1706 6541

8169 kHz, 09-02, 0230 UTC. New Start Broadcasting. Station 1

Unit IDs: 3673, 4445, 8688

Group Counts: 32, 35, 34

7048 1450 6127 9876 0168 3910 4904 7888 7599 3838 4010 7348
3950 4973 8997 0476 4544 8850 4745 3769 7844 7352 7784 8199
1222 9451 8156 2492 1070 3190 3738 1251

8913 7355 1392 2319 7738 3556 6227 1252 5110 2130 7754 2799
3959 1237 5679 8992 2268 2601 4044 2301 2540 7466 0707 5637
4308 4478 3996 8449 8507 9067 1298 6626 0955 6977 4825

4821 6865 8788 7478 8916 4383 2420 6030 3493 6610 4991 0352
2312 9555 4826 3846 1148 0611 0605 7827 8283 6841 9823 1872
9082 3469 4695 5627 9107 8701 4314 0103 0742 1071

15890 kHz, 09-02, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 8253, 9358, 9761

Group Counts: 32, 33, 31

2396 8880 9939 9461 7269 6427 4182 6732 8335 5907
4600 0860 1876 6351 3753 8993 3108 1847 5526 0491
6667 1950 6255 2825 3812 2849 3623 1586 0017 9174
2445 7173

4295 1890 3036 8966 6876 2529 8273 6630 8920 8001
7613 3296 2912 0484 9906 7193 8340 1903 6482 6448
8608 8810 2356 9881 2413 8317 2753 6713 3688 2000
0596 0753 5083

3284 8051 4958 8299 4517 7872 6761 0939 0476 2134
1156 4631 5769 4759 1856 3394 1933 3401 0133 6217
8366 3440 6167 0194 1880 6251 3545 8871 8863 4700
9695

Note: odd computer and mechanical noises in the background. Not sure if this is an issue with the transmitter, the receiver, or just local interference. As usual for most of the stations recently, started three minutes late.

20025 kHz, 09-02, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 5854, 6006, 9273

Group Counts: 31, 32, 31

0693 0092 4456 2153 0878 2072 9740 5169 5034 8262
2674 7901 2031 1770 3170 1880 9373 7452 4033 1488
6163 1590 9383 4189 0355 7450 5272 6065 6858 0677
5986

4634 1482 6279 1379 3947 0925 1769 9415 2329 6126
2021 1870 4967 1994 4269 2081 9574 0800 8628 8137
7966 6511 9464 2298 1035 7202 9022 5805 6686 1822
1487 9560

2180 9560 5016 1691 0847 7485 0855 3197 4769 6619
6131 8819 2385 9864 5745 2140 1009 8005 5767 2508
7098 7999 0080 8839 7543 8620 5930 0104 4134 2353
7145

20095 kHz, 09-02, 1000 UTC. New Star Broadcasting. Station 5

Unit IDs: 0338, 7371, 9192

Group Counts: 35, 33, 31

6544 9329 9958 3341 1721 5157 9326 2499 0866 9080
9573 5832 3912 5474 5345 5575 1605 5803 6074 7474
5913 4415 0125 0491 7290 5434 2337 4700 2241 2406
7897 3461 6356 9545 4319

2138 8566 4542 5612 0701 8094 2787 4841 2882 9481
2132 0190 9515 2026 4346 9336 9633 3896 1516 6318
1584 9218 6193 1339 2712 7822 5580 6177 1375 5120
9124 4220 0285

9994 9173 6721 0422 6399 7579 3556 3569 7177 8154
6719 5715 4213 8393 3991 3483 2085 9395 9094 8978
7823 2985 5648 9664 6816 5057 7462 7410 9056 3582
9313

Notes:

- THU 06-02 1300/30z Station 1a still on 15388 instead of 14944, mixing into Station 4 then.
- FRI 07-02 same error noted, but during the intro music station 1a switched to correct freq. 14944!
- Same thing as on FRI happened on MON 10-02, late switch to correct freq during intro.
- On SAT 08-02 1430/1500/1530z 20095 Station 3 had only carrier. Last transmission was 1400z 20095.
- Station 1a was not aired from 15-02 0000z until 25-02 0130z slots. It was back 25022025 at 1200z

19052 kHz, 11-02, 0030 UTC, AM. New Start Broadcasting. Station 1

Unit IDs: 5510, 5618, 5886, 5995

Group Counts: 40, 41, 46, 49

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820 4747 0705
8407 0597 2932 9171 3678 7745 3278 6976 8440 7179 3066 1626
3294 4659 2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060 6810 5927

9553 6439 9982 2437 6760 2956 0858 7722 4952 8815 5099 5732
9530 6847 3386 0076 7052 9888 7739 7494 1976 1436 9135 7841
5892 8646 6893 2878 0936

2799 8770 1612 2731 5436 9606 1743 1570 2680 1774 5767 4981
2851 1559 6097 7396 7463 0803 0763 0597 1065 7954 8058 3815
6119 4367 7407 4938 3412 8187 8169 1413 0934 0671 0602 1938
6728 2274 5702 2544 3658 8370 3145 3148 6563 6921

3186 4786 2964 7666 7404 5519 7235 4116 5420 5957 8804 6688
1123 4716 4036 1147 0538 5485 6733 0807 9216 8386 6813 9269
2772 7008 7344 4999 6637 1582 2299 9464 3648 1266 9868 3062
0544 1019 8666 5543 6970 1006 6687 0165 3098 9042 5351 3270
4423

8169 kHz, 16-02, 0200 UTC. New Star Broadcasting. Station 1(b)

Unit IDs: 4321, 8601, 8846

Group Counts: 31, 32, 31

6475 0516 8497 1105 7896 1724 0289 5667 9666 4362
1435 5494 2160 2928 6528 2719 0451 5086 0667 7722
4570 4928 9752 1933 2232 0040 9329 0003 5051 7008
6331

2925 5477 3796 6849 3516 6456 0305 1212 4669 7138
8201 8972 0355 7861 3601 0414 9050 4123 2485 8257
3391 0741 6354 8882 5316 9368 7069 6346 2901 4596
0274 1090

0687 7106 9560 5450 6374 6678 5747 6305 7180 3834
1821 9339 8994 2454 0452 0255 4261 5819 5266 0914
9124 4845 0201 4509 1256 3012 8837 6210 3235 0745
2517

8300 kHz, 16-02, 0200 UTC, USB. New Star Broadcasting. Station 2

Unit IDs: 3465, 4476, 5357

Group Counts: 32, 35, 34

9564 3034 4738 0763 0571 8547 9640 8143 6304 2715
7976 1841 3299 9226 9521 8070 8710 3680 3373 3906
6976 1666 9378 4588 5754 8613 0070 0030 4598 8010
6616 3848

3404 8938 0804 8284 8254 8821 5343 3387 2109 2171
3221 8802 8876 5941 1043 0770 0497 4900 2367 0147
6491 4109 9182 7332 0351 6896 6875 2898 4015 1753
2350 1622 1564 4775 2552

9333 3715 1504 3434 4458 2589 3540 5865 5437 5693
0689 5363 7832 3208 6330 8907 7346 2997 2371 4719
7382 4433 2936 0067 2927 6013 4554 1360 3643 7817
6080 8611 3243 3152

15890 kHz, 16-02, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0977, 3753, 9835

Group Counts: 33, 33, 31

8057 6999 3537 6654 1825 6368 0332 5278 4660 8174
1534 6672 4462 2849 1902 6821 9616 3990 6138 3284
5310 3470 3986 7479 8010 9880 8803 1844 8834 3273
6039 0361 2380

4481 3606 1134 5314 4530 9623 6840 4339 8437 9113

6523 6182 5173 3678 3878 0632 6369 3727 9753 2054
3964 1004 4140 0721 0598 6932 2203 0156 7738 1762
5111 9079 1551

1405 0013 0504 6915 6917 5879 6771 0808 5484 1644
4840 5111 7424 3107 7695 9508 7520 6877 7079 1796
1249 6882 5837 7889 9340 5531 8939 3102 4083 4056
3174

Note: Started 4 minutes late, so at 4:04. Voice was a bit deeper than normal and had a slight echo to it.

20025 kHz, 16-02, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 3560, 4320, 4359

Group Counts: 30, 31, 35

0009 2257 3005 6205 7163 0562 8985 2388 0159 1531
2076 0571 3735 0150 7410 2458 5925 7380 7137 3214
0510 2692 8556 9427 7427 0900 2673 3664 5431 3934

2959 8108 8609 6061 1391 7717 1689 6389 5232 1418
0860 6584 5236 2142 2560 0394 7619 8288 0967 6581
2592 8397 1449 2921 2116 0181 9603 4296 7190 5628
7784

4207 7571 9662 0639 1200 1877 9992 1895 5855 5969
3135 3276 8982 7355 9977 7063 4354 4656 5927 6855
7595 4872 5188 6756 7708 7403 7980 7363 4126 7374
9407 2148 4861 5335 3565

20095 kHz, 16-02, 1000 UTC. New Star Broadcasting. Station 5

Unit IDs: 0664, 3185, 6611

Group Counts: 34, 30, 33

0795 0166 5656 6317 7968 2201 3984 5474 4988 5334
9011 5012 8357 2887 6705 0006 0826 5787 7279 4852
5929 0135 5081 3023 9165 6192 8767 6936 1707 2971
7931 3840 5369 9592

9234 6774 8266 4694 7008 3528 1409 1701 5330 6267
8747 7777 1962 5486 1051 2193 3684 6798 8914 5166
5798 4539 6068 9941 5645 4009 1295 8947 7367 8388

2471 9858 7055 9515 5205 9806 6622 3868 3204 3863
7792 5038 0680 1894 1719 4233 9933 7041 8826 0013
7918 1178 2205 2044 3222 4794 6529 2774 9191 0589
2675 2695 9845

20025 kHz, 17-02, 0100 UTC. New Start Broadcasting. Station 4

Unit IDs: 3560, 4320, 4359

Group Counts: 30, 31, 35

0009 2257 3005 6205 7163 0562 8985 2388 0159 1531 2076 0571
3735 0150 7410 2458 5925 7380 7137 3214 0510 2692 8556 9427
7427 0900 2673 3664 5431 3934

2959 8108 8609 6061 1391 7717 1689 6389 5232 1418 0860 6584
5236 2142 2560 0394 7619 8288 0967 6581 2592 8397 1449 2921
2116 0181 9603 4296 7190 5628 7784

4207 7571 9662 0639 1200 1877 9992 1895 5855 5969 3135 3276
8982 7355 9977 7063 4354 4656 5927 6855 7595 4872 5188 6756
7708 7403 7980 7363 4126 7374 9407 2148 4861 5335 3565

Note: three minutes late.

8169 kHz, 18-02, 0200 UTC. New Start Broadcasting. Station 1

Unit IDs: 4321, 8601, 8846

Group Counts: 31, 32, 31

6475 0516 8497 1105 7896 1724 0289 5667 9666 4362 1435 5494
2160 2928 6528 2719 0451 5086 0667 7722 4570 4928 9752 1933
2232 0040 9329 0003 5051 7008 6331

2925 5477 3796 6849 3516 6456 0305 1212 4669 7138 8201 8972
0355 7861 3601 0414 9050 4123 2485 8257 3391 0741 6354 8882
5316 9368 7069 6346 2901 4596 0274 1090

0687 7106 9560 5450 6374 6678 5747 6305 7180 3834 1821 9339
8994 2454 0452 0255 4261 5819 5266 0914 9124 4845 0201 4509
1256 3012 8837 6210 3235 0745 2517

Notes:

WED 12-02: 1200z station 4 20095 instead of 14944 //also 1230z

1300z station 4 14944 instead of 15388 //also 1130z

THU 13-02: 0000/30z station 3 on 20095

FRI 14-02: 1300z station 1a 15388 instead 14944 //was corrected during header announcement

SAT 15-02: 0000/30/0100/30z station 1a nil

THU 20-02: 0200z station 1b 11430 instead of 8169 //also 0230z

15388 kHz, 25-02, 1200 UTC. New Star Broadcasting. Station 1(a)

Unit IDs: 7153, 7300, 7436

Group Counts: 50, 52, 51

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4749 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410
1434 5007 0216 5928 0096 7744 6505 7704 7080 5574

6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936 6288 2799 8770 1612 2731 5436 9606 1743 1570
2680 1774 5767 4981 2851 1559 6097 7396 7463 0803
0763 0597

7954 8058 3815 6119 4367 7407 4938 3412 8187 8169
1413 0934 0671 0602 1938 6728 2274 5702 2544 3658
8370 3745 3148 6563 6921 9029 3186 4786 2964 7666
7404 5519 7235 4116 5420 5957 8804 6688 1123 4716
4036 1147 0538 5485 6733 0807 9216 8386 6813 9269
2772

8169 kHz, 23-02, 0200 UTC. New Star Broadcasting. Station 1(b)

Unit IDs: 4568, 7233, 7603

Group Counts: 30, 35, 33

5875 2561 5996 7109 2907 3909 0745 2807 7468 2661
7473 3768 9765 0027 9416 9715 2028 5219 4018 0205
0075 9644 8600 9448 2049 8059 2136 0805 8688 4127

3042 5378 9575 1752 9252 5209 2892 8218 5630 7516
8209 0879 4870 3293 2331 4524 2043 4275 1904 7157
9763 3046 8577 9946 3744 9840 1055 9926 4355 1368
9928 4275 8360 3623 3208

0668 1434 0354 0510 9363 5027 7105 5355 4881 2507
7783 1780 5884 2986 1919 3353 7792 4894 4559 2310
4093 6873 3713 0797 5998 7782 5675 3707 0521 1705
5678 7464 5828

8300 kHz, 23-02, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 0457, 4137, 7186

Group Counts: 30, 35, 34

6501 0102 3464 6907 3351 4248 8515 6057 8238 3294
3837 2415 1818 9880 2227 8262 9135 1716 0132 5162
8505 2417 9414 1487 5987 6928 2689 5253 8722 9644

2688 4682 7590 7653 0466 7080 1455 8482 7180 8488
1205 3083 1784 3731 9915 5564 6481 1814 2479 3488
1758 4758 1122 3331 0192 2657 3245 8154 8331 5420
1047 6137 6214 5296 2584

4080 7736 9009 0553 1120 6723 2813 2800 1537 1898
2655 9941 9855 1044 7388 9851 7550 9779 8625 3908
1376 1335 5470 8689 1251 2693 6428 4769 5668 6688
2495 6464 4729 1418

15890 kHz, 23-02, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0287, 5375, 8451

Group Counts: 32, 34, 35

1634 7198 2815 8437 5464 6472 4115 4104 7769 0598
3297 8982 9558 4314 2678 2077 9481 7964 4020 8995
8202 0607 3975 2237 0125 0438 5712 0583 7745 6482
7934 3437

7556 4698 2700 6813 9576 6895 8452 2393 1318 8150
3979 0779 6306 9768 1418 3473 8892 9710 3840 9627
5900 5790 0362 9957 9659 5268 1198 7036 2570 6910
4623 0815 1232 3233

7520 5242 5889 1985 8093 2182 3473 9086 2367 7269
9303 5138 7345 0848 3605 1872 4791 5074 0563 0392
4270 3589 0889 7179 3789 1996 3833 4826 3560 9221
7539 9063 4479 6673 9881

20025 kHz, 23-02, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 0701, 3218, 6431

Group Counts: 35, 32, 30

6427 3323 9845 7441 6219 9015 8605 0000 4209 3865
7027 7551 5762 3336 8529 6312 2350 0062 9629 0891
6599 0667 9123 2098 2170 1332 4654 2168 3339 4587
8805 1133 6387 4822 5237

0356 6841 6954 1540 7924 9913 1973 4614 3206 1503
6817 8743 8041 1136 9395 8383 4099 8591 2892 4986
3673 8297 4325 5544 3587 9643 2010 8310 3526 5603
6788 1249

5904 3185 4395 6325 9793 0327 4625 4639 8867 6002
3404 1866 2265 1283 2429 8568 1012 6005 8378 7425
9003 5983 9112 9988 5954 0201 2509 8205 0840 1117

20095 kHz, 23-02, 1000 UTC. New Star Broadcasting. Station 5

Unit IDs: 4341, 7143, 8452

Group Counts: 33, 31, 30

9546 0553 8922 0339 1675 1274 5486 0993 6473 6226
7895 3796 1147 4261 2685 4813 7802 8127 2376 5401
8863 6053 2082 9074 0113 7432 4099 4839 7012 1099
9153 3872 4413

9592 2582 6389 0674 3293 7882 6937 9690 1929 3698
7507 7918 7596 2840 8951 1766 8550 8032 5230 8781
2194 8182 3778 8509 9864 1833 2600 2080 3982 7175
2560

3007 7318 2824 3891 4613 6975 3883 7738 8772 9012
3967 8878 6317 7482 5129 9309 0309 2333 0263 4482
3933 3589 2559 1338 9196 9986 1102 4240 4586 8937

11430 kHz, 23-02, 0300 UTC. New Start Broadcasting. Station 1

Unit IDs: 4568, 7233, 7603

Group Counts: 30, 35, 33

5875 2561 5996 7109 2907 3909 0745 2807 7468 2661 7473 3768
9765 0027 9416 9715 2028 5219 4018 0205 0075 9644 8600 9448
2049 8059 2136 0805 8688 4127

3042 5378 9575 1752 9252 5209 2892 8218 5630 7516 8209 0879
4870 3293 2331 4524 2043 4275 1904 7157 9763 3046 8577 9946
3744 9840 1055 9926 4355 1368 9928 4275 8360 3623 3208

0668 1434 0354 0510 9363 5027 7105 5355 4881 2507 7783 1780
5884 2986 1919 3353 7792 4894 4559 2310 4093 6873 3713 0797
5998 7782 5675 3707 0521 1705 5678 7464 5828

9276 kHz, 23-02, 0330 UTC. New Star Broadcasting. Station 2

Unit IDs: 0457, 4137, 7186

Group Counts: 30, 35, 34

6501 0102 3464 6907 3351 4248 8515 6057 8238 3294 3837 2415
1818 9880 2227 8262 9135 1716 0132 5162 8505 2417 9414 1487
5987 6928 2689 5253 8722 9644

2688 4682 7590 7653 0466 7080 1455 8482 7180 8488 1205 3083
1784 3731 9915 5564 6481 1814 2479 3488 1758 4758 1122 3331
0192 2657 3245 8154 8331 5420 1047 6137 6214 5296 2584

4080 7736 9009 0553 1120 6723 2813 2800 1537 1898 2655 9941
9855 1044 7388 9851 7550 9779 8625 3908 1376 1335 5470 8689
1251 2693 6428 4769 5668 6688 2495 6464 4729 1418

19052 kHz, 26-02, 0130 UTC, AM. New Star Broadcasting. Station 1 (V13a)

Unit IDs: 7153, 7300, 7436

Group Counts: 50, 52, 51

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820 4747 0705
8407 0597 2932 9171 3678 7745 3278 6976 8440 7179 3066 1626
3294 4659 2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 0202 1410 1434 5007 0216 5928 0096 7744 6505 7704
7080 5574

6810 5927 9553 6439 9982 2437 6760 2956 0858 7722 4952 8815
5099 5732 9530 6847 3386 0076 7052 9888 7739 7494 1976 1436
9135 7841 5892 8646 6893 2878 0936 6288 2799 8770 1612 2731
5436 9606 1743 1570 2680 1774 5767 4981 2851 1559 6097 7396
7463 0803 0763 0597

7954 8058 3815 6119 4367 7407 4938 3412 8187 8169 1413 0934
0671 0602 1938 6728 2274 5702 2544 3658 8370 3145 3148 6563
6921 9029 3186 4786 2964 7666 7404 5519 7235 4116 5420 5957
8804 6688 1123 4716 4036 1147 0538 5485 6733 0807 9216 8386
6813 9269 2772

8169 kHz, 28-02, 0800 UTC	New Star Broadcasting. Station 1(b). Repeats at 0828, 0843, 0850z
20025 kHz, 28-02, 0800 UTC	New Start Broadcasting. Station 2. Repeats at 0828, 0843, 0850z
13974 kHz, 28-02, 0800 UTC	New Star Broadcasting. Station 2. Repeats at 0828, 0843, 0850z
19052 kHz, 28-02, 0800 UTC	New Star Broadcasting. Station 4. Repeats at 0828, 0843, 0850z
20095 kHz, 28-02, 0800 UTC	New Star Broadcasting. Station 5. Repeats at 0828, 0843, 0850z

11430 kHz, 28-02, 1300/1330 UTC. Station 3 no carrier/audio

Station 1b appeared again out of schedule:

1358z,1413z,1428z,1443z,1457z,1513z,1528z,1543z,1556z.

The 1556z transmission stopped abruptly at 1600z with carrier off.

Station 3: after the scheduled 1530z transmission which ended at 1547z, it started again on 20095 at 1556z and had another broadcast until 1609z. Nothing was heard after that time but the carrier remained.

Notes:

- SUN 23-02 1200/30z station 3 13974 carrier only
- MON 24-02 0200/30z station 2 8300 nil
- TUE 25-02 0100/30z station 3 18040 nil
- Station 1a, reappeared on TUE 25-02, is now 40s early. It starts at: XX:59:20 and XX:29:20
- FRI 28-02 0200/30z 8300 carrier only //Station 2 no audio
- FRI 28-02 Unscheduled Station 1(b) at 0800z

VC03 - Chinese Air Defense

We received a huge report from Zhai Can. Many thanks for that !

The logs are a mix of VC03 (Chinese Air Defense) and Chinese Air Force traffic (with ALE calls). We normally only mention VC03 here and not the Air Force. However, we thought you might find it interesting to see how this communication takes place; hence the long transcripts. You can find the Air Force transcripts in the Utility Roundup section.

Note that the translations were done with DeepL, not by Zai. So they may be partly incorrect.

7398 kHz, 19-02, 1511 UTC

Chinese

A: ? 开始4341完结

B: 8055完结

A: 给你工作号组124

B: 这里工作号组350

A: 这里电报发下来请注意抄收

B: 好的好的, 请你电报发下来

A: 号数100/CCK, 组数193 24 0219 2310, (辅助 ?) vkex-xmme。

请问抄收怎样 ?

B: 抄收好的, 请你电报发下来。

A: 这里电报1页01组开始 :

9854 2087 2658 8259 8687 5264 6707 1253

0000 0000 5097 5960 2431 3408 8649 1893

9560 5967 3817 1657 6908 8023 5091 7968

9812 8324 4387 3898 8360 6190 抄收怎样 ?

B: 抄收还可以。发下来。

A: 这里电报1页31组开始:

English translation

A: ? Start 4341 finish

B: 8055 finished

A: give you work number group 124

B: Here's work number 350

Here's a telegram for you to read.

B: OK, OK, please send down the telegram.

A: No. 100/CCK, group 193 24 0219 2310, (auxiliary?) vkex-xmme. how's the cc please?

B: How's the cc, please send the telegram down.

A: Telegram 1 page 01 group start here:

9854 2087 2658 8259 8687 5264 6707 1253

0000 0000 5097 5960 2431 3408 8649 1893

9560 5967 3817 1657 6908 8023 5091 7968

9812 8324 4387 3898 8360 6190 How is the transcription?

B: The cc's okay. Send it down.

A: Telegram 1 page 31 group start here:

0639 1796 6490 1715 0681 2546 6076 3591

2558 9785 3804 7872 5324 9701 5490 8159

5002 4807 2315 5967 1581 3073 0731 2945

2496 7808 2910 2094 2997 2823 9431 6072

0639 1796 6490 1715 0681 2546 6076 3591
2558 9785 3804 7872 5324 9701 5490 8159
5002 4807 2315 5967 1581 3073 0731 2945
2496 7808 2910 2094 2997 2823 9431 6072
2661 9360 7639 0608 2586 3789 7186 8018
7281 2487 2604 9221 1928 5840 1763 9194
0585 9164 0698 3602 4292 8759 7446 0627
3609 67更正更正 6371 3529 4821 0631 2334 7198 8675

4549 3409 8827 8520 5703 9629 抄收怎样？

B: 请重复1页79组

A: 这里重复电报1页79组：0585 (x2)

B: 好的好的，请你电报发下来。

A: 这里电报2页01组开始：

6368 9562 8069 8908 2696 1568 7160 4997
0000 0000 1378 5768 8206 92更正更正 9526 1456 4012
6297 4835 0354 5197 9430 8647 2801 8194
2157 1725 4207 8541 9136 7943 2348 6858
8960 8298 5910 7020 5891 8083 4752 4160
1040 1649 9386 9652 5713 1859 6848 1675
4307 2382 8914 8462 4565 7497 3130 6478
3068 3780 3016 0983 2519 9685 5750 0171
5306 7867 7454 2997 4882 3292 2778 6115
8742 3527 2070 1859 5239 7601 4646 3943
9270 7106 4094 2876 8472 4317 7971 5821
3967 8274 3896 1584 4910 完结。抄收怎样？

B: 请重复电报2页24组

A: 重复电报2页24组：8194 (x2)

B: 请重复电报2页69组

A: 重复电报2页69组：4882 (x2)

B: 好的。请稍等。

(a long pause)

B: 抄收好的，给你收据：2322 (x2)

A: 请你电报发下来。

B: 好的，这里电报发下来，请注意抄收。号数100/? 组数
193, ?请问抄收怎样？

A: 抄收好的，请你电报发下来。

B: 好的，这里电报..... (dozens of number groups).....抄收怎样？

A: 抄收好的，请你电报发下来。

B: 好的，这里电报..... (dozens of number groups).....

A: 抄收好的，给你收据2332 (x2)

B:无事再会。

A: 嗯，无事再会。

2661 9360 7639 0608 2586 3789 7186 8018
7281 2487 2604 9221 1928 5840 1763 9194
0585 9164 0698 3602 4292 8759 7446 0627
3609 67 Corrigendum 6371 3529 4821 0631 2334 7198 8675
4549 3409 8827 8520 5703 9629 How about a citation?

B: Please repeat 1 page 79 groups

A: Repeat telegram 1 page 79 group here: 0585 (x2)

B: Okay, okay, please telegraph it.

A: Telegraph 2 page 01 group here to start:

6368 9562 8069 8908 2696 1568 7160 4997
0000 0000 1378 5768 8206 92 correction 9526 1456 4012
6297 4835 0354 5197 9430 8647 2801 8194
2157 1725 4207 8541 9136 7943 2348 6858
8960 8298 5910 7020 5891 8083 4752 4160
1040 1649 9386 9652 5713 1859 6848 1675
4307 2382 8914 8462 4565 7497 3130 6478
3068 3780 3016 0983 2519 9685 5750 0171
5306 7867 7454 2997 4882 3292 2778 6115
8742 3527 2070 1859 5239 7601 4646 3943
9270 7106 4094 2876 8472 4317 7971 5821
3967 8274 3896 1584 4910 Ended. How about a copy?

B: Please repeat the telegram 2 pages and 24 groups

A: Repeat telegram 2 pages and 24 groups: 8194 (x2)

B: Please repeat telegraph 2 pages of 69 groups

A: Repeat telegram 2 page 69 group: 4882 (x2)

B: Okay. Please wait.

B: Copied and received, here's your receipt: 2322 (x2)

A: Telegram sent down please.

B: OK, here telegram sent down, please note the copy. Number
100/? Group number 193, ? Please copy and receive
how?

A: Good copy, please telegraph it down.

B: OK, here is the telegram (dozens of number groups).....
How is it copied?

A: Copy and receive, please send the telegram down.

B: OK, here is the telegram (dozens of number groups).....

A: Copy and receive well, give you the receipt 2332 (x2)

B: goodbye

A: Well, goodbye

MORSE STATIONS

M01

5810 kHz, 01-02, 1500 UTC

197 142 142 30 30 = =

47398 18716 43125 04920 54918 24172 49039 17326 39276 20917
30175 75843 81763 20937 17647 29817 05931 28716 38475 11625
65918 20918 15411 44927 50917 20163 60281 75848 16524 01756
= = 142 142 30 30 000

5465 kHz, 02-02, 0700 UTC

197 601 601 30 30 = =
17462 20931 15446 87590 33091 38746 23145 48756 14231 37615
01743 20173 26176 40165 30101 38176 35143 38716 16526 64738
65102 28716 54631 76473 65337 54132 74918 18749 16526 15425
= = 601 601 30 30 000

5320 kHz, 04-02, 1800 UTC. Partly unreadable

197 617 617 30 30 = =
45632 12937 34452 35367 86743 64733 57633 74354 65743 12387
_____ 55632 39344 73260 43892 65675 64523 43785 43567
64238 34523 35465 63274 37344 59308 37465 35456 12388 36745
= = 617 617 30 30 000

4490 kHz, 04-02, 2000 UTC

197 421 421 30 30 = =
62344 45672 56573 76512 39734 46731 63452 32554 77685 75684
65123 12903 09312 54066 26735 12673 34876 12423 34874 48723
14545 17625 45021 09854 90321 73844 13724 78346 56712 46754
= = 421 421 30 30 000

5320 kHz, 06-02, 1800 UTC

197 357 357 30 30
44756 22431 40989 66879 58678 49980 55876 79980 26543 33654
00098 79809 47650 68758 37654 14235 47658 79800 44677 28769
12321 46545 68876 33659 70988 57645 36546 48756 79809 23354
357 357 30 30 000

4490 kHz, 06-02, 2000 UTC

197 644 644 30 30
68798 15423 57687 00987 3654x 10978 47658 36543 18698 20078
66887 35461 79809 46576 35143 27687 49786 58876 30989 57788
22546 39860 47565 44768 69870 58734 44765 38879 48789 49090
644 644 30 30 000

9566 kHz, 08-02, 0716 UTC

475 166 166 50 50 = =
88609 03136 73404 56234 33025 71417 80594 77823 27051 43231
61984 45816 91233 41769 24586 69293 45222 13256 21894 62503
51681 99986 89849 63115 51316 18238 38799 32049 86654 25082
38930 77775 39528 61439 46270 41865 13892 46348 86667 02006
83210 17560 36298 30401 18378 89051 37300 88744 43702 37888
= = 166 166 50 50 000

5810 kHz, 08-02, 1500 UTC. Different repeat in red. Group 7 was sent once

197 298 298 30 30 = =
75612 93013 56091 67910 60913 34056 98012 50953 34432 56723
46511 88791 45531 98012 65712 68710 08973 65741 23094 78990
84752 08912 10231 56712 35097 45097 20512 40030 23087 34155 76431
= = 298 298 30 30 000

5465 kHz, 09-02, 0700 UTC

197 354 354 30 30
46523 12768 45832 45609 09321 65472 03461 03476 46712 65783
35467 12098 54091 10983 57602 87012 02365 75601 97012 75612
65741 67834 08912 87923 97832 98823 76654 80011 76852 09851
354 354 30 30 000

5320 kHz, 11-02, 1800 UTC. Off after group 12

197 409 409 30 30 = =
32981 90832 76976 13213 90509 76123 31573 97810 78012 76443
75312 86921 off

4490 kHz, 11-02, 2000 UTC. A mess after group 17

197 110 110 30 30 = =
85763 56412 12315 98043 45937 46509 80976 76812 13245 98045
57812 60943 84723 09976 46553 12234 76822 685773 (5877) 97805
95032 95032 65731 6190898 9845611 54130059 4651141 687430
6330512014651 65 08065 33654 3365 10
= = 110 110 30 30 000

5810 kHz, 15-02, 1500 UTC. Sent only 29 groups

197 412 412 30 30 = =
37465 80976 10034 47075 57683 12090 57631 96731 08954 46713
43145 96787 43745 44564 47211 70943 09706 43672 83455 64721
45123 36970 00397 57634 88056 23093 13209 32006 75689
= = 412 412 30 30 000

5320 kHz, 18-02, 1800 UTC

197 678 678 30 30 = =
99709 57664 13243 22543 46576 66779 59809 47658 36546 11324
09098 57687 36544 13243 26657 59878 49988 79800 55768 25436
87767 45654 24354 10978 37657 48878 50989 60098 67765 22435
= = 678 678 30 30 000

4490 kHz, 18-02, 2000 UTC. Different repeat in red. Error in postamble

197 887 887 30 30 = =
68755 23433 15543 50977 59122 30978 22545 50098 69887 14432
09877 35465 24332 16533 68798 50988 34543 26654 13243 56654
12321 45434 44567 66768 09890 67877 47656 89876 48765 12344 123
= = 888 30 30 000

5320 kHz, 20-02, 1800 UTC. Different repeat in red

197 659 659 30 30
50591 85403 66831 85403 09540 85430 86729 18594 94320 11850
85493 85430 81174 85743 85439 58439 71943 86593 72919 74395 55029
95430 84302 82954 82043 82045 84200 85403 72394 74594 72919
659 659 30 30 000

4490 kHz, 20-02, 2000 UTC

197 427 427 30 30
90901 85493 59204 84320 84392 10095 85473 89105 84375 90187
58392 75439 77294 73024 10549 85439 84329 19584 74329 38423
59430 84392 66930 82039 84329 00183 85643 76932 84230 85434
427 427 30 30 000

5810 kHz, 22-02, 1500 UTC

197 406 406 30 30 = =
55876 20097 48756 11324 36547 55987 00980 46589 10987 26544
79867 14325 10978 36549 37656 49898 13243 28698 44657 10099
44876 96098 36544 13243 44657 79866 29870 15646 58767 10978
= = 406 406 30 30 = 000

5465 kHz, 23-02, 0700 UTC

197 496 496 30 30 = =
68798 13243 35465 45565 68723 08976 48796 33765 88798 40978
57687 33987 44699 70977 37564 12311 47565 49877 69909 69877
27589 10924 33543 18677 55980 48769 36647 22980 69878 58800
496 496 30 30 000

5320 kHz, 27-02, 1800 UTC

197 072 072 30 30 = =
12342 46573 89054 30054 32145 67353 88090 64556 32112 86745
43512 45634 44672 57634 76354 65734 95374 86576 08909 43432
65474 45632 45362 23412 65743 43521 76854 44635 23345 88965
= = 072 072 30 30 000

M12

5832/6832/7732 kHz, 2200/2220/2240 UTC

5832/6832/7732 kHz, 01-02/07-02/08-02, 2200/2220/2240 UTC

887 887 887 1 711 201 711 201
73958 75504 05322 45850 90188 36926 05238 43049 01865 23289
37660 78092 60568 30148 04485 71381 26996 73611 78782 97900
77490 75744 83424 46499 37502 77579 10903 39984 15609 63304
08747 43774 23182 33777 28781 11456 35665 65169 35255 15719
78258 42849 87400 93554 33792 10062 66426 54731 07779 48988
18504 20987 04894 29332 96606 65072 78020 61662 57436 59092
02080 31530 52499 80920 83171 33015 32142 67599 77267 54490
55166 95476 98221 39875 11996 65531 33473 86466 47981 35972
41694 43396 13739 35603 85534 74258 11384 09104 64768 53090
91055 35280 88878 71300 28180 32337 39797 05466 98699 08011
78507 51220 04534 81086 12699 69445 50510 42908 76578 17228
68289 49614 13265 26079 96835 39368 68583 67181 61556 77908
47795 96434 98350 72965 51073 62631 08051 59207 05273 52522
34098 02073 67608 28037 24462 17549 80301 60109 55345 59152
46984 39786 14229 37769 86101 23812 24689 90914 72385 58997
75376 07768 29896 25014 71916 84210 97225 49984 93614 89183
47888 81198 97020 33514 02666 54417 41563 76919 60535 88450
32128 06662 43087 68918 35712 17515 64038 44690 16774 66497
73554 51787 00766 51185 21201 50433 10120 56757 78978 26175
81240 40920 36224 67493 25208 64708 38974 46369 07072 58848
71611 000 000

5832/6832/7732 kHz, 14-02/15-02/21-02/22-02, 2200/2220/2240 UTC

887 887 887 1 5932 246 5932 246
10303 01968 12065 43337 76441 32425 58660 11820 17059 85704
47813 75677 14069 48599 83727 91481 18304 76189 54326 44347
20601 94237 63302 99489 90987 75216 92357 05714 58397 40209
39151 61655 53519 70064 32779 84946 91155 98328 84213 79192
76062 51899 36872 25621 46363 64727 45725 75719 06902 18946
13634 91497 69589 39337 90799 37487 88635 87739 53064 58590
81630 13413 76015 10979 18511 34144 04023 48874 47298 65448
60096 76953 15366 80047 58359 96294 61695 89052 48068 29252
80527 38659 90237 72131 13234 61099 18519 50835 90703 74685
94393 93223 98702 63742 05411 21057 98018 86798 09601 72446
92659 83425 55324 49695 98257 18008 79166 24991 68929 64257
25257 89169 72479 40087 56690 12785 36480 61969 63001 31563
69204 81993 73465 21459 62863 66566 84805 34368 83137 76261
89617 32709 05825 13658 16361 62185 31768 65195 95266 01804
19160 78517 97112 85046 13893 45330 73508 20752 87426 98419
17449 83594 40169 47881 51022 41255 17280 60092 46575 21408
63879 48186 55733 99797 75351 02611 21321 96716 31390 50297
32256 42175 69135 79541 29052 18029 84021 50385 15877 68225
19984 90072 65805 75257 06369 77551 24711 83313 37291 99942
11951 28288 73601 34381 93139 65391 84179 03397 75342 37895
38198 05342 96198 65736 52552 76959 10246 55953 12400 07306
00504 69509 97467 69716 29019 42556 97522 91831 66239 42987
62615 65619 80125 93581 07557 12940 90024 50392 13818 42347
32478 27225 53235 45369 32920 95260 89702 28020 07832 54432
18975 91074 32290 25530 31809 09184 000 000

5832/6832/7732 kHz, 28-02, 2200/2220/2240 UTC

887 887 887 1 3054 93 3054 93
16737 40643 03684 67762 02330 35803 95215 72851 32572 67727
05497 70763 37113 05172 47350 36764 92439 17778 52825 95530
57477 06347 81133 29916 24470 65188 84894 48152 16690 72825
13236 45163 30326 01039 79559 43159 79183 15657 76078 29809
81214 86045 88655 57070 83340 24428 38935 44710 09579 59328
94705 87587 74588 57576 67708 89449 00538 67024 66599 51692
97041 75684 62432 63889 78827 40767 03399 45271 87664 57997
19885 59458 02099 84700 97110 69648 56853 56651 13455 41933
95464 31093 61522 28851 32769 11293 52151 31923 25256 96170
38369 59490 97951 000 000

11519/12194/12407 kHz, 1100/1120/1140 UTC**11519/12194/12407 kHz, 04-02, 1100/1120/1140 UTC**

289 289 289 1 8879 57 8879 57
06256 19275 56154 82877 09935 59916 08802 88300 81338 55460
31750 15720 70262 69096 95193 78758 14563 76352 78865 25865
60449 06518 70761 60558 86497 32890 12336 27352 78362 60804
08376 06097 59800 99242 49441 74984 30332 32095 75644 25194
06281 98623 47072 17189 39952 50505 65290 63769 67571 36497
27028 92931 76121 43255 62925 99737 48513 000 000

11519/12194/12407 kHz, 11-02, 1100/1120/1140 UTC

289 289 289 8095 56 8095 56
80994 05987 19910 44334 79968 67398 19104 46552 26998 11338
17534 25817 82685 39290 79684 96473 78978 04848 47958 06216
15946 68375 46796 17239 38979 27155 75329 96964 42136 61961
81610 35074 15425 58247 48164 89606 73910 90299 16720 24112
46549 97097 53648 35070 27915 51655 02764 18275 85301 58934
40379 27552 72201 53946 98664 12619 000 000

11519/12194/12407 kHz, 18-02, 1100/1120/1140 UTC

289 289 289 289 1 6403 61 6403 61
95143 17678 92698 10702 72129 16892 86750 87532 65852 45462
19206 45532 25128 02921 48601 22167 07522 06182 06696 15211
88293 57122 21132 75934 86371 64966 11856 22286 48304 18993
22136 28546 18647 14184 00592 30184 89057 97149 50626 31860
67412 40991 38339 58786 41034 90231 94319 43258 62369 64712
58275 02462 04660 88219 71774 38021 96544 16764 24329 07162
05035 000 000

11519/12194/12407 kHz, 25-02, 1100/1120/1140 UTC

289 289 289 1 3035 61 3035 61
48957 38480 56893 81316 81012 35144 89298 48991 25771 88370
59304 15765 13630 13944 68004 34786 79346 46711 92193 29504
69016 79588 02593 95737 17553 31995 08330 76943 67936 06336
95438 24440 36121 35898 41261 40859 17272 65265 51109 17263
77174 45689 68689 54731 94744 33052 82051 23026 53155 94470
27118 62813 53050 13613 98188 59368 35886 71154 63763 49017
26810 000 000

7674/6874/5774 kHz, 2000/2020/2040 UTC**7674/6874/5774 kHz, 05-02, 2000/2020/2040 UTC**

687 687 687 1 6162 39 6162 39
84914 43037 59500 88732 13671 88528 44093 78979 50283 92822
79653 61845 45125 30473 06195 02056 93018 39082 56149 36706
19535 00702 05421 71966 11662 84328 41655 44962 81039 21883
86207 10813 57731 80870 15146 34958 90224 97556 35475 000 000

7674/6874/5774 kHz, 12-02/14-02/19-02/21-02, 2000/2020/2040 UTC

687 687 687 1 378 77 378 77
14874 91005 71395 04169 20049 27975 69516 95246 86048 21704
20782 22271 35607 81872 67094 84075 75169 38148 84941 19605
19203 95339 42279 58360 14839 25703 82801 49413 79256 48607
33922 97834 59850 17624 74955 65416 09651 96476 34264 03527
31251 46916 70322 31771 98030 73500 80615 38843 41667 14068
63413 66135 48538 76668 59982 54646 23402 90292 86850 49309
74950 13182 06977 22378 61086 91858 18943 45263 02779 31191
79616 81345 87010 74944 18045 94756 05782 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

11435/10598/9327 kHz, 06-02, 1800/1820/1840 UTC

938 938 938 9735 83 9735 83
60579 67901 69451 38736 45958 00054 36856 82063 06333 84942
34614 04779 87559 91271 19653 51817 83248 46561 60341 79408
95200 58223 36161 49157 36057 68858 42851 44149 29844 83190
30771 49984 10463 32100 00418 81407 72999 17102 43898 80983
94691 32793 43495 76573 70158 29226 47404 97483 19562 99497
16725 21662 63134 86738 85382 02356 31740 20294 02678 77108
57201 92705 52219 23142 54170 84629 94315 55448 90252 38244
78817 66146 02663 79357 84715 62496 14727 59586 78998 06831
21444 45366 24886 000 000

11435/10598/9327 kHz, 13-02, 1800/1820/1840 UTC

938 938 938 1 9741 84 9741 84
64094 01633 71509 61709 65340 13476 34191 53916 88227 84012
31843 43901 17989 55914 25118 15284 53290 34313 31510 75640
31592 37567 53308 26416 91247 50363 93753 71051 15158 57925
37226 80523 12876 39183 08080 06749 34370 42743 53888 49156
88361 16476 03204 95828 58118 95503 99814 98999 62814 52518
54739 51495 92495 85191 65519 26526 48324 45092 70461 14977
67722 63139 38758 30301 46785 51319 31024 78805 47833 18368
80912 10566 80423 82352 87278 15115 34363 57478 68297 95742
94752 08237 62639 000 000

11435/10598/9327 kHz, 20-02, 1800/1820/1840 UTC

938 938 938 1 9029 83 9029 83
30089 01095 82555 05169 16361 54491 66765 69562 51058 61789
33374 88092 80837 67929 63102 20818 91142 84537 45592 34308
66324 41370 00068 24409 14367 62247 64607 87509 99107 40399
58610 46842 01222 90223 93804 45594 61282 12829 34730 90856
77114 42402 68124 03942 67582 87402 35533 97935 38395 06845
12312 24150 53390 49821 22851 98817 01006 58145 90800 54113
89882 79255 70454 10658 03078 86531 96869 90613 74123 17507
59535 78313 49806 54734 57202 23922 73245 96124 56826 26963
26714 66671 49113 000 000

11435/10598/9327 kHz, 27-02, 1800/1820/1840 UTC

938 938 938 1 1282 79 1282 79
15733 25066 34473 94172 80372 51578 37411 21445 70043 12280
63763 59358 82017 70439 63203 89166 37110 15141 67620 24738
45530 67740 53622 07726 36288 60851 75386 70835 80535 68660
28012 83442 58338 31046 75159 59778 78592 20985 44641 54738
24699 75241 69245 23503 01573 58656 47653 08105 18060 16596
40077 41460 39442 76898 02206 47992 71442 26746 57883 19521
76190 66575 40909 01383 84266 80319 01020 50971 95279 03424
10573 16125 70498 12882 00038 70288 98493 30119 06153 000 000

9362/8062/7462 kHz, 2300/2320/2340 kHz

9362/8062/7462 kHz, 27-02, 2300/2320/2340 kHz

451 451 451 1 2976 73 2976 73

64198 90936 65983 52239 36463 67239 67373 61722 54504 71818
81622 72566 21336 72628 65566 52396 12011 95964 64886 01578
21169 70084 19263 33844 88983 57124 94978 40959 62116 59474
29640 97455 00158 70007 64991 90996 71510 23116 73437 92002
79745 68432 92409 37177 27156 16627 60347 70218 89791 86023
99677 98604 98667 63047 55475 84199 90680 58972 57031 59163
74925 82427 61700 68566 44330 11698 98319 23150 12660 37829
02723 57671 15950 000 000

M14

12211 kHz, 03-02, 0500 UTC. No transmission. At 0514z: nine slow dots

10243 kHz, 03-02, 0520 UTC

12211/10243 UTC, 04-02, 0500/0520 JUTC

952 610 610 53 53 = =

41769 29152 74099 35322 30419 08659 27828 59435 00892 73344
26825 02104 01766 61003 09560 78106 94127 87965 87241 66324
61516 92615 30194 85345 06703 13005 24637 21115 08714 65720
35808 86334 38544 18222 3886 16276 57009 71818 00120 30718
43151 97475 29628 16677 26655 91649 24294 11629 22709 44316
79193 91905 92739
= = 610 610 53 53 00000

12211 kHz, 05-02, 0500 UTC

10243 kHz, 05-02, 0520 UTC. Off after group 20 of the 2nd message

952 176 176 27 27 = =

40483 92533 06989 39271 70649 52104 80860 50326 42517 34949
15243 36209 07710 69372 77607 39036 75599 71255 67463 31819
63572 64125 60421 57527 86058 93058 21492
= = 176 176

952 384 384 21 21 = =

55789 17958 90148 43111 19374 39879 73161 92306 71458 08091
39401 80557 53736 03405 29615 70071 44600 29565 96486 69069
84153
= = 384 384 21 21 00000

12211 kHz, 06-02, 0500 UTC. No closing nulls

10243 kHz, 06-02, 0520 UTC

Same messages as yesterday but in reverse order

952 384 384 21 21 = =

55789 17958 90148 43111 19374 39879 73161 92306 71458 08091
39401 80557 53736 03405 29615 70071 44600 29565 96486 69069
84153
= = 384 384 21 21

952 176 176 27 27 = =

40483 92533 06989 39271 70649 52104 80860 50326 42517 34949
15243 36209 07710 69372 77607 39036 75599 71255 67463 31819
63572 64125 60421 57527 86058 93058 21492
= = 176 176 27 27 00000

12211/10243 UTC, 07-02, 0500/0520 JUTC

952 952 952 00000

12211 kHz, 10-02, 0500 UTC

10243 kHz, 10-02, 0520 UTC. Unreadable distorted audio

12211/10243 UTC, 11-02, 0500/0520 JUTC

952 438 438 55 55 = =

72743 66057 45725 88582 45609 70149 43428 55396 31614 62090

23940 18159 27195 52651 59069 00630 49762 96926 39493 07252
51781 83485 14281 89503 96276 30655 66060 90468 23456 38369
64009 78575 63127 69022 61876 06426 72608 55766 33200 55661
04814 61679 60932 53805 36200 38261 23635 74009 09266 56671
45448 53656 69289 10171 02020
= = 438 438 55 55 00000

12211/10243 UTC, 12-02/13-02, 0500/0520 JUTC

952 761 761 20 20 = =
84336 23075 14275 14682 48060 43181 42458 94937 51408 97114
32378 17180 82759 39250 93281 89531 67186 92184 99363 63999
= = 761 761 20 20
952 843 843 35 35 = =
51827 78840 14078 90663 98273 98123 23398 89981 99364 30666
44503 02212 67763 77551 46648 67842 51977 86663 70989 76318
92578 02537 23571 49735 34380 95986 67237 21142 11756 59468
42163 55832 49296 79086 69675
= = 843 843 35 35 00000

12211 kHz, 14-02, 0453 UTC	S5 EEE (24sec silence) 4N 40 EEE 646 H (4sec silence) 464646464646 (R 41sec)
12211 kHz, 14-02, 0500 UTC	952 952 952 00000
10243 kHz, 14-02, 0520 UTC	952 952 952 00000

12211/10243 UTC, 17-02/18-02, 0500/0520 JUTC

952 106 106 52 52 = =
87563 94484 95293 27668 42628 65121 52312 68165 03292 65080
64103 31149 58557 44224 79273 31107 13167 62762 55367 23242
30517 49573 74216 48952 28797 26631 72848 34136 41284 54242
98405 07522 76738 76769 50500 31207 40832 73522 55448 60585
04550 44525 13828 75858 30505 85822 95780 52322 93096 34030
82512 61601
= = 106 106 52 52 00000

12211/10243 UTC, 19-02/20-02, 0500/0520 JUTC

952 387 387 41 41 = =
49962 36881 07810 10455 20362 61643 93403 37096 95657 92207
34916 79419 37632 36584 42881 17516 58825 92890 60006 00546
58144 96170 39026 54744 54626 55936 74158 59484 61525 95472
40874 64855 67925 28138 23652 49169 20058 33699 06398 39859
19510
= = 387 387 41 41
952 410 410 13 13 = =
73327 21890 55734 99292 09572 52542 95900 33372 39866 71761
72022 20656 42376
= = 410 410 13 13 00000

12211/10243 UTC, 21-02, 0500/0520 JUTC

952 952 952 00000

12211/10243 UTC, 24-02, 0500/0520 JUTC

12211 kHz, 25-02, 0500 UTC

10243 kHz, 25-02, 0520 UTC. Not monitored

952 678 678 54 54 = =
37401 04757 18108 29079 36781 23335 40389 92419 38047 76978
67741 37645 70456 90273 89576 19213 18292 19566 37302 17576
75880 71825 97400 98330 12096 70873 61329 55445 55255 25669
85663 05766 34381 80319 60943 26967 37738 50531 12644 56163
74590 76161 82709 91334 51128 44583 65096 62785 96484 64522
93755 66802 99791 95088
= = 678 678 54 54 00000

12211/10243 UTC, 26-02, 0500/0520 JUTC

12211 kHz, 27-02, 0500 UTC

10243 kHz, 27-02, 0520 UTC. Not monitored

952 340 340 27 27 = =

74371 66804 95488 82588 16760 07469 17738 64923 66217 55296

17658 58978 61382 18772 89219 67285 53378 20784 58164 50079

75957 68049 22896 98472 55180 18296 84136

= = 340 340 27 27

952 861 861 32 32 = =

67831 85353 64418 07765 43325 33963 69707 78132 78361 43013

73652 38092 13221 62021 39433 56539 32384 88472 04847 49297

24126 84517 59528 33947 98404 85168 79684 72255 42734 96436

12533 61133

= = 861 861 32 32 00000

12211/10243 UTC, 28-02, 0500/0520 JUTC

952 952 952 00000

M14d

10755 kHz, 26-02, 1016 UTC

Slow beeps

10755 kHz, 26-02, 1033 UTC

Two series of fast beeps

10755 kHz, 26-02, 1045 UTC

975 975 78432 975 78432 860 860 31 31 = =

64300 92586 27083 63820 88547 41143 92700 37243 38093 79826

34917 92552 86837 89919 94112 86443 67266 03859 57435 44544

31903 31198 82408 48171 30859 65154 23360 85251 60196 43140

27880

= = 860 860 31 31 00000

11073 kHz, 26-02, 1339 UTC

Two series of fast beeps

11073 kHz. 26-02, 1400 UTC

352 98573 (R1m30s)

352 352 352 98 [37s silence]

352 98573 (R1m) 00000 [21s silence]

352 98573 (R1m20s) 00000

UM04 - PROMRCh

N&O #328 correction:

The log of January 29th contained the transcript of January 21st. Below is the correct transcript.

4745 kHz, 29-01, 0800 UTC

VVV VVV PROMRCh = 29 01 =

VVV VVV PROMRCh = 29 01 =

1000 1040 1090 1290 1870

1000 1040 1090 1290 1870

1200 1140 1190 1390 1980

1200 1140 1190 1390 1980

1400 1090 1140 1310 1830

1400 1090 1140 1310 1830

1600 1060 1110 1290 1830

1600 1060 1110 1290 1830

1800 0810 0860 0970 1350

1800 0810 0860 0970 1350

2000 0470 0490 0570 0800

2000 0470 0490 0570 0800

2200 0380 0390 0450 0600

2200 0380 0390 0450 0600

0000 0400 0410 0460 0620

0000 0400 0410 0460 0620

0200 0420 0430 0480 0640

0200 0420 0430 0480 0640

0400 0420 0440 0490 0660

0400 0420 0440 0490 0660

0600 0400 0410 0480 0660

0600 0400 0410 0480 0660

0800 0610 0650 0790 1160

0800 0610 0650 0790 1160

= AR

= ABV

4735 kHz, 01-02, 0700 UTC

VVV VVV PROMRCh = 01 02 =
 1000 1040 1100 1290 1860
 1200 1160 1210 1400 2000
 1400 1090 1140 1310 1840
 1600 1070 1120 1300 1830
 1800 0840 0880 1000 1390
 2000 0490 0510 0590 0820
 2200 0390 0400 0450 0620
 0000 0410 0420 0470 0620
 0200 0420 0440 0490 0650
 0400 0430 0440 0450 0670
 0600 0400 0420 0480 0670
 0800 0620 0660 0800 1170
 = ABV =
 VVV VVV PROMRCh = 01 02 =
 1000 1040 1100 1290 1860
 1200 1160 1210 1400 2000
 1400 1090 1140 1310 1840
 1600 1070 1120 1300 1830
 1800 0840 0880 1000 1390
 2000 0490 0510 0590 0820
 2200 0390 0400 0450 0620
 0000 0410 0420 0470 0620
 0200 0420 0440 0490 0650
 0400 0430 0440 0450 0670
 0600 0400 0420 0480 0670
 0800 0620 0660 0800 1170
 = AR

4735 kHz, 05-02, 0800 UTC

VVV VVV PROMRCh = 05 02 =
 1000 1050 1110 1300 1870
 1200 1180 1240 1430 2020
 1400 1110 1160 1330 1850
 1600 1120 1160 1340 1880
 1800 0890 0920 1060 1460
 2000 053E 0550 0640 0880
 2200 0410 0420 0470 0640
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0670
 0800 0650 0690 0830 1220
 = ABV
 VVV VVV PROMRCh = 05 02 =
 1000 1050 1110 1300 1870
 1200 1180 1240 1430 2020
 1400 1110 1160 1330 1850
 1600 1120 1160 1340 1880
 1800 0890 0920 1060 1460
 2000 053E 0550 0640 0880
 2200 0410 0420 0470 0640
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0670
 0800 0650 0690 0830 1220
 = AR

4735 kHz, 02-02, 0800 UTC

VVV VVV PROMRCh = 02 02 =
 1000 1050 1100 1300 1870
 1200 1170 1220 1420 2010
 1400 1100 1140 1320 1840
 1600 1090 1140 1310 1850
 1800 0850 0890 1010 1400
 2000 0490 0510 0590 0830
 2200 0390 0400 0460 0610
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0430 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0630 0670 0800 1180
 = ABV
 VVV VVV PROMRCh = 02 02 =
 1000 1050 1100 1300 1870
 1200 1170 1220 1420 2010
 1400 1100 1140 1320 1840
 1600 1090 1140 1310 1850
 1800 0850 0890 1010 1400
 2000 0490 0510 0590 0830
 2200 0390 0400 0460 0610
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0430 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0630 0670 0800 1180
 = AR

4735 kHz, 06-02, 0800 UTC

VVV VVV PROMRCh = 06 02 =
 1000 1060 1110 1310 1880
 1200 1190 1250 1440 2030
 1400 1120 1160 1330 1860
 1600 1120 1170 1340 1880
 1800 0900 0930 1060 1470
 2000 0530 0560 0640 0890
 2200 0410 0430 0480 0650
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 046E 0510 0680
 0600 0410 0430 0490 0670
 0800 0660 0700 0840 1230
 = ABV
 VVV VVV PROMRCh = 06 02 =
 1000 1060 1110 1310 1880
 1200 1190 1250 1440 2030
 1400 1120 1160 1330 1860
 1600 1120 1170 1340 1880
 1800 0900 0930 1060 1470
 2000 0530 0560 0640 0890
 2200 0410 0430 0480 0650
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 046E 0510 0680
 0600 0410 0430 0490 0670
 0800 0660 0700 0840 1230
 = AR

4735 kHz, 03-02, 0800 UTC

VVV VVV PROMRCh = 03 02 =
 1000 1050 1110 1300 1880
 1200 1170 1220 1420 2010
 1400 1105 1150 1320 1850
 1600 1100 1150 1320 1860
 1800 0870 0910 1030 1430
 2000 0510 0530 0610 0850
 2200 040E 0410 0460 0630
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0640 0680 0810 1100
 = ABV
 VVV VVV PROMRCh = 03 02 =
 1000 1050 1110 1300 1880
 1200 1170 1220 1420 2010
 1400 1105 1150 1320 1850
 1600 1100 1150 1320 1860
 1800 0870 0910 1030 1430
 2000 0510 0530 0610 0850
 2200 040E 0410 0460 0630
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0640 0680 0810 1100
 = AR

4735 kHz, 07-02, 0807 UTC

Late start
 VVV VVV PROMRCh = 07 02 =
 1000 1050 1110 1300 1870
 1200 1120 1250 1440 2030
 1400 1110 1160 1330 1850
 1600 1120 1170 1340 1870
 1800 0890 0930 1060 1470
 2000 0540 0560 0650 0900
 2200 0420 0430 0900 0660
 0000 0420 0430 0480 0640
 0200 0430 0440 0490 0650
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0660 0700 0840 1240
 = ABV
 VVV VVV PROMRCh = 07 02 =
 1000 1050 1110 1300 1870
 1200 1120 1250 1440 2030
 1400 1110 1160 1330 1850
 1600 1120 1170 1340 1870
 1800 0890 0930 1060 1470
 2000 0540 0560 0650 0900
 2200 0420 0430 0900 0660
 0000 0420 0430 0480 0640
 0200 0430 0440 0490 0650
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0660 0700 0840 1240
 = AR

4735 kHz, 04-02, 0800 UTC

VVV VVV PROMRCh = 04 02 =
 1000 1060 1110 1300 1870
 1200 1180 1240 1430 2010
 1400 1110 1160 1330 1860
 1600 1110 1160 1330 1880
 1800 0880 0920 1050 1450
 2000 0520 0550 0630 0880
 2200 0410 0420 0470 0640
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 0450 0510 0680
 0600 0410 0420 0480 0670
 0800 0640 0680 0820 1220
 = ABV
 VVV VVV PROMRCh = 04 02 =
 1000 1060 1110 1300 1870
 1200 1180 1240 1430 2010
 1400 1110 1160 1330 1860
 1600 1110 1160 1330 1880
 1800 0880 0920 1050 1450
 2000 0520 0550 0630 0880
 2200 0410 0420 0470 0640
 0000 0420 0430 0480 0630
 0200 0430 0440 0490 0650
 0400 0440 0450 0510 0680
 0600 0410 0420 0480 0670
 0800 0640 0680 0820 1220
 = AR

4735 kHz, 08-02, 0700 UTC

VVV VVV PROMRCh = 08 02 =
 1000 1050 1100 1300 1860
 1200 1190 1250 1430 2020
 1400 1110 1160 1330 1850
 1600 1120 1170 1330 1870
 1800 0910 0940 1070 1490
 2000 0550 0570 0660 0910
 2200 0430 0440 0500 0670
 0000 0430 0440 0480 0640
 0200 0430 0440 0490 0650
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0670 0710 0850 1240
 = ABV
 VVV VVV PROMRCh = 08 02 =
 1000 1050 1100 1300 1860
 1200 1190 1250 1430 2020
 1400 1110 1160 1330 1850
 1600 1120 1170 1330 1870
 1800 0910 0940 1070 1490
 2000 0550 0570 0660 0910
 2200 0430 0440 0500 0670
 0000 0430 0440 0480 0640
 0200 0430 0440 0490 0650
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0670 0710 0850 1240
 = AR

4735 kHz, 25-02, 0800 UTC

VVV VVV PROMRCh = 25 02 =
 1000 1070 1120 1300 1850
 1200 1200 1250 1430 2000
 1400 1170 1210 1370 1880
 1600 1160 1210 1380 1910
 1800 0980 1020 1160 1610
 2000 0670 0700 0800 1100
 2200 0490 0510 0570 0770
 0000 0460 0470 0520 0680
 0200 0440 0450 0500 0670
 0400 0460 0470 0520 0700
 0600 0420 0440 0500 0680
 0800 0750 0800 0960 1400
 = ABV
 VVV VVV PROMRCh = 25 02 =
 1000 1070 1120 1300 1850
 1200 1200 1250 1430 2000
 1400 1170 1210 1370 1880
 1600 1160 1210 1380 1910
 1800 0980 1020 1160 1610
 2000 0670 0700 0800 1100
 2200 0490 0510 0570 0770
 0000 0460 0470 0520 0680
 0200 0440 0450 0500 0670
 0400 0460 0470 0520 0700
 0600 0420 0440 0500 0680
 0800 0750 0800 0960 1400
 = AR

4735 kHz, 26-02, 0800 UTC

VVV VVV PROMRCh = 26 02 =
 1000 1080 1140 1310 1870
 1200 1210 1260 1440 2010
 1400 1180 1220 1380 1900
 1600 1180 1220 1390 1920
 1800 1000 1040 1180 1630
 2000 0690 0710 08E0 1120
 2200 0500 0520 0580 0790
 0000 0470 0480 0530 0690
 0200 0450 0460 0510 0670
 0400 0460 0470 0530 0700
 0600 0420 0440 0500 0690
 0800 0760 0810 0970 1400
 = ABV
 VVV VVV PROMRCh = 26 02 =
 1000 1080 1140 1310 1870
 1200 1210 1260 1440 2010
 1400 1180 1220 1380 1900
 1600 1180 1220 1390 1920
 1800 1000 1040 1180 1630
 2000 0690 0710 08E0 1120
 2200 0500 0520 0580 0790
 0000 0470 0480 0530 0690
 0200 0450 0460 0510 0670
 0400 0460 0470 0530 0700
 0600 0420 0440 0500 0690
 0800 0760 0810 0970 1400
 = AR

4735 kHz, 27-02, 0800 UTC

VVV VVV PROMRCh = 27 02 =
 100E 1090 1140 1320 1880
 1200 1220 1270 1450 2010
 1400 1190 1230 1390 1900
 1600 1180 1230 1400 1930
 1800 1010 1040 1190 1630
 2000 0690 0720 0820 1130
 2200 0500 0520 0580 0790
 0000 0470 0480 0530 0690
 0200 0450 0460 0510 0680
 0400 0460 0480 0530 0700
 0600 0420 0440 0500 0690
 0800 0760 0810 0970 1410
 = ABV
 VVV VVV PROMRCh = 27 02 =
 100E 1090 1140 1320 1880
 1200 1220 1270 1450 2010
 1400 1190 1230 1390 1900
 1600 1180 1230 1400 1930
 1800 1010 1040 1190 1630
 2000 0690 0720 0820 1130
 2200 0500 0520 0580 0790
 0000 0470 0480 0530 0690
 0200 0450 0460 0510 0680
 0400 0460 0480 0530 0700
 0600 0420 0440 0500 0690
 0800 0760 0810 0970 1410
 = AR

4735 kHz, 28-02, 0800 UTC

VVV VVV PROMRCh = 28 02 =
 1000 1100 1150 1330 1890
 1200 1230 1280 1460 2030
 1400 1200 1240 1400 1920
 1600 1200 1240 1410 1940
 1800 1020 1060 1200 1650
 2000 0710 0740 0840 1150
 2200 0510 0530 0600 0800
 0000 0470 0480 0540 0700
 0200 0450 0460 0510 0680
 0400 0460 0480 0530 0700
 0600 0020 0440 0500 0690
 0800 0770 0820 0970 1420
 = ABV
 VVV VVV PROMRCh = 28 02 =
 1000 1100 1150 1330 1890
 1200 1230 1280 1460 2030
 1400 1200 1240 1400 1920
 1600 1200 1240 1410 1940
 1800 1020 1060 1200 1650
 2000 0710 0740 0840 1150
 2200 0510 0530 0600 0800
 0000 0470 0480 0540 0700
 0200 0450 0460 0510 0680
 0400 0460 0480 0530 0700
 0600 0020 0440 0500 0690
 0800 0770 0820 0970 1420
 = AR

UM05**kHz. The station skips accented letters**

01-02, 0816 UTC	Cendres (R), Tonnere (R), K (R), H (R), etc.
02-02, 0808 UTC	Terre (R), Carotte (R), Cygne (R), etc.
03-02	Not monitored
04-02, 0752 UTC	Micro ondes (R), Telecommande (R), Nuit (R), etc
05-02, 0747 UTC	Mot (R), Vin (R), Z (R), Velo (R), etc.
06-02, 0715 UTC	J (R), Universite (R), Z (R), etc.
07-02, 0700 UTC	Cuisine (R), Tasse (R), Plat (R), Desert (R), Maison (R), Kiwi (R), Chenille (R), etc.
08-02, 0823 UTC	Universite (R), Fevrier (R), etc.
09-02, 0746 UTC	J (R), Photo (R), Champ (R), Kangourou (R), Appareil (R), M (R), Matin (R), etc.
10-02, 0810 UTC	K (R), Calendrier (R), Matiere (R), etc.
11-02, 0801 UTC	Marron (R), Serpent (R), etc.
12-02, 0701 UTC	Maison (R), Public (R), N (R), L (R), Bus (R), etc.
13-02, 0701 UTC	Pain (R), Neptune (R), Le)R), Koala (R), W (R), etc.
14-02, 0840 UTC	Lecture (R). Photo (R), Weka (R), Amer (R), 1 (R), etc.
15-02, 0712 UTC	Agile (R), Amitie (R), Peinture (R), Television (R), X (R), etc.
16-02, 0705 UTC	Poisson (R), Rougegorge (R), Carte (R), Te (R), etc.
17-02, 0827 UTC	Biere (R), Argument (R), Thetre (R), Oie (R), etc.
18-02, 0714 UTC	Poids (R), Texte (R), Idee (R), Tunnel (R), etc.
19-02, 0716 UTC	Maison (R), The (R), Takahe (R), Autoroute (R), etc.
20-02, 0755 UTC	Lettre (R), N (R), Signe (R), etc.
21-02, 0752 UTC	Verre (R), Rever (R), Fevrier (R), Viande (R), CTE (R), etc.
22-02, 0712 UTC	Cause (R), Terre (R), Savon (R), 7 (R), Col (R), etc.
23-02, 0702 UTC	Riz (R), Football (R), Pleurer (R), Juin (R), T (R), etc.
24-02, 0839 UTC	Riviere (R), Ete (R), Voyage (R), Arret (R), etc.
25-02, 0932 UTC	Shampooing (R), Koala (R), Q (R), Maladie (R), Pleurer (R), etc.
26-02	No transmissions
27-02	No transmissions
28-02	No transmissions

DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

12184/10169/8079 kHz, 03-02, 1015/1025/1035 UTC

15589 60290 06793 17766 07443 67421 37901 31343 69333 65934
70984 75433 63507 07275 39321 71665 49358 19639 15017 11217
10962 39388 34834 27675 40169 20296 15175 15718 48718 87812
92158 75266 07771 30544 47748 85820 38341 46113 07828 40660
01035 83613 23214 95587 58540 49827 69494 11923 09318 71404
26664 98407 15911 30179 24483 81740 76328 13827 64486 60397
11929 49036 54600 21446 70244 09387 17292 25044 66190 15125
57185 86285 10080 67019 99097 09112 95906 81488 32414 51949
48302 19179 22754 29784 51642 24198 76856 82339 09699 16170
71626 63062 09312 02316 83279 28596 86494 01738 77521 33420
18419 99101 46702 59370 89720 69900 04873 34693 06551 44481
76701 22349 56828 03039 41164 82235 40116 18748 15965 37026
15561 91228 93612 96310 41344 37531 65096 18725 04067 32828
92097 16748 61519 18003 13672 33876 47266 16316 98341 48835
10481 26343 77540 86537 89473 83371 21336 40467 42356 06443
42383 36169 83259 73218 39028 90548 97563 89875 13518 46655
34570 48204 26242 88638 01046 87099 71947 66577 04094 00638
88864 85849 16766 59922 36675 40743 64878 40879 04274 96996
58448 75211 33247 52950 16199 66669 68015 33997 56572 39855
68568 00020 53675 13722 46738 70514 81614 16974 11949 97062
95637 87552 37368 37864 23538 23381 82413 14005 65744 76573
32541 52153 27539 08292 42255 43364 31848 46422 92281 72687
86033 13287 96837 99267 01118 15550 21935 91612 86904 13524
00655 47731 71399 12057 56340 54817 17994 40193 69627 68177
38837 11782 50268 14080 27839 84236 99668 46215 61738 57631
75096 10466 42672 81301 91479 97656 80692 60171 21740 88980
39658 77955 81606 23795 94940 79461 09831 44461 76388 79146
79749 97925 94983 88140 03146 98729 76621 76911 12312 83122
51461 15761 31291 08991 72277 60342 72206 81258 60259 74379
17628 07479 01680 06792 74911 13279 43885 65388 13452 72358
64043 54338 20776 30728 09076 67600 38427 29870 30223 55492
63570 58518 60673 06593 27259 87730 09702 12164 85295 68958
71739 05283 82631 99781 73834 91865 77236 87021 09920 15772
34380 61887 35339 25181 27264 26874 20065 32426 04928 39082
84039 84470 13393 59645 63094 86216 80957 23970 78857 43834
03587 12452 11117 20300 91348 26375 96053 20323 61810 98671
98795 46861 91353 94235 33722 96398 60333 79467 30966 85192
53026 65755 72533 23647 98290 56560 46502 81035 61904 52803
92719 07734 26482 96249 38436 07163 19939 55556 47327 74622
78425 84692 30323 45215 54670 08405 91699 18029 07670 14424
08857 48787 34664 57097 69225 28137 31339 02131 12743 87767
91182 67137 53329 01556 79944 37672 77809 55417 00000 +++++

12184/10169/8079 kHz, 04-02, 1015/1025/1035 UTC

74509 90196 99859 85998 39127 08562 57840 55389 27175 72550
87838 12206 28085 74801 55470 71600 28035 73330 61432 65170
00522 88130 43264 43472 87649 51384 45159 18857 83088 65981
29289 15833 52619 52018 27069 21134 53223 85976 53796 50679
36639 62267 35112 75617 48331 31821 18713 74639 57806 97419
69754 04749 81214 70453 73384 07680 82173 18791 92842 94137
61752 60446 56565 73071 73552 82744 72726 18143 24827 91651
94664 88597 49569 20971 85621 46711 64510 56099 56236 39015
43970 52004 73228 33464 74487 56085 00000

15047 76843 60128 58629 39384 98700 69397 00512 04517 93094
35701 57101 79897 67608 73575 59251 85689 27532 06825 87675
08929 00404 09920 73695 76025 42270 58093 43449 42552 30384
09560 22746 86256 72011 68300 44747 14231 84040 00854 27673
20183 23074 05550 14710 52743 70706 57619 93318 80736 03659
78624 36124 66371 03460 03636 30565 82276 85376 44608 89514
33320 51264 73379 60037 69152 96023 72744 72478 98405 22374
29020 97072 40502 43600 64561 00267 75980 78981 33658 17926
81311 71586 30236 87628 59113 83111 80823 07231 99716 45466
21208 11888 35020 57093 00000 +++++

12184/10169/8079 kHz, 05-02, 1015/1025/1035 UTC

38879 75461 96383 60107 44628 73433 56895 38496 28532 16722
11990 06340 25204 65367 71797 38967 09699 61720 58400 73423
75420 88689 40812 02115 96099 48398 72007 76712 39043 97188
07692 20739 21847 97908 11497 74292 29742 75423 76283 19332
35783 86290 16252 58971 91050 38524 09542 49204 77062 22404
95997 06523 37578 38248 59810 39841 31988 32106 51700 80177
77469 75285 30341 06528 72101 48681 27715 91366 16120 17812
68070 14214 73512 09524 95188 16710 41128 26295 87637 97628
17492 59064 66700 71265 88516 84546 26666 37651 72300 57948
42169 38013 90185 37033 32277 93926 56280 98471 85993 53603
02625 32422 78874 93733 82188 26255 35456 50346 16881 73392
17158 77098 82782 68173 40371 54454 49758 72689 54402 98169
17658 66540 33978 40537 16288 15426 65978 82824 61334 19533
35098 42337 83435 27639 38128 42547 72587 27876 81526 19729
05063 51095 41987 44537 45041 47766 94680 81958 38135 24344
38858 38083 38997 50055 75504 67132 40190 70023 16734 37174
94526 85681 31610 77967 48041 88413 58073 59373 25803 57344
35680 73733 77415 72421 38821 20927 96686 97438 15117 18705
65794 37740 58682 88141 77564 52232 72935 86244 91616 86944
02649 84991 83433 72294 39920 19953 81243 76254 33768 56992
93236 09180 58014 50455 92298 16235 17169 91315 50451 18353
94976 68686 40194 87670 75338 93156 44920 68371 90274 55381
45602 78874 74636 18353 75942 56314 32233 66818 63158 29238
43079 62247 96607 29463 66436 76813 91425 79037 19354 04811
39379 13229 35372 74956 64105 25490 33100 12004 22937 45334
49334 21111 22498 85057 16426 93399 40254 16243 88566 56148
69212 61998 46688 16045 27942 15838 36666 68947 03130 23177
20509 74584 16829 86352 45226 19633 35612 79116 59055 17619
63799 81548 29742 19066 87963 71301 44558 30333 64882 32148
96749 64590 70144 65735 88089 73353 49582 17512 02236 32023
40727 52743 28582 77869 56467 43570 41275 23894 48108 53029
63104 97002 90006 26999 68935 73942 52975 29978 08386 13420
58652 85655 52425 07856 32008 08210 93588 03203 94182 35253
54491 60264 62848 98388 84330 55963 52278 92291 48066 47981
90304 28272 37959 51216 94366 83238 62167 99496 73817 80019
90074 90986 50703 59959 59047 40717 16168 33746 72305 88685
64708 21394 42590 36961 73437 17326 61328 14226 18555 41489
97959 91199 46222 62447 59144 95383 40003 03379 62500 98548
52091 66921 04602 75423 90483 39810 27883 57009 79300 63229
16169 26960 34439 79827 73502 34464 21748 93331 65957 22076
89905 58401 00000 +++++ +++++

12184/10169/8079 kHz, 06-02, 1015/1025/1035 UTC

91393 26637 20916 04210 13225 11198 41329 97373 49657 22087
17844 82363 47143 74458 15645 07254 31782 02398 98117 28691
60413 33145 91658 04708 28446 44989 68945 79822 39116 32307
67854 48367 63855 26160 88201 06965 48463 43901 33518 32121
44765 66214 90012 43830 72447 65041 59948 41175 40755 30820
91588 20818 84740 72481 72918 14353 95751 88631 81316 05440
50842 33366 06385 12654 70800 25153 88091 49006 61475 72216
37452 94054 18092 12861 31902 39551 97240 94176 02579 94564

86233 37564 55669 61012 24508 64503 95043 15535 56773 81026
38331 58663 22573 44310 43652 17205 11973 59097 00000

38602 05214 34046 84072 23420 90666 26628 66043 90965 28872
80097 45892 54198 72293 70128 43773 97749 38406 30655 37134
22794 77780 13036 50331 63884 02029 44552 40832 88706 26306
59645 49184 16672 06047 02357 04941 17303 72627 23389 05735
74336 97640 20238 11676 26492 40476 93827 22281 20832 58883
20084 28098 39661 87211 59894 54229 86895 12015 55871 37946
44848 99710 89384 07553 37352 55966 96275 54729 60178 21525
64701 17502 64670 34133 63547 16057 05540 11275 74843 08568
88764 33397 28622 60083 00000 +++++

12184/10169/8079 kHz, 07-02, 1015/1025/1035 UTC

00000 +++++ +++++

12184/10169/8079 kHz, 10-02, 1015/1025/1035 UTC

18655 21362 02479 55951 37698 17955 00050 55404 85793 76966
09535 83853 77613 06099 16201 76411 07537 46366 45705 39266
71033 72750 36107 53510 02546 77368 22482 41958 28321 27354
95069 03630 57606 14635 16893 45614 60678 39783 11792 66968
07114 97146 58801 74362 62759 53427 53812 34148 68823 36913
24464 90541 51541 79530 09183 04608 35836 78932 36335 93730
61434 72775 64400 76257 24843 42404 69123 51017 95658 88116
88581 66372 80618 43190 62091 58525 33853 18873 23901 63741
36760 97520 37614 34187 95946 16058 82262 12069 32682 06964
25984 41763 62277 88967 48232 24619 86858 24630 96462 46122
49951 87016 88220 30117 26315 02633 94588 99758 45471 62823
65908 49897 72367 20806 85730 60570 93595 16548 63926 06301
82621 96656 04892 40878 42456 21476 11789 62323 49206 76581
12765 87704 44931 30854 20071 92515 53272 08326 58038 94289
16256 65979 20836 85131 75733 94694 45948 42873 47891 85529
14319 75523 64255 28514 13086 78710 77645 36157 21855 10795
56502 08843 08448 15351 16035 84315 45057 45696 59624 38429
80748 71159 28907 29353 31251 69774 86004 02428 71967 37089
76302 97844 45147 65770 45248 28356 17155 75705 07577 19180
46776 99269 92425 27309 50492 51462 12763 82397 75668 39596
32564 16417 17591 92220 30192 74271 41281 11968 81391 22556
94047 82023 10361 98646 19679 80887 82325 67312 10252 85123
36047 77027 56463 64795 79718 33191 82439 01251 98674 30411
75954 81968 48350 11076 49996 52138 30938 42372 96618 27666
79167 28945 19013 99296 95659 03402 52747 82530 21276 61825
12091 93036 30915 36494 22389 52233 80186 23007 24396 52741
51397 03978 61528 38376 72302 36506 85962 78391 06034 95605
44515 40637 35667 90772 30251 93338 91852 97889 10745 90170
96949 73650 68948 18327 24103 44686 17587 14257 94693 88592
73027 76770 62617 49033 99564 32195 58803 52118 60047 31270
94433 16236 33788 82459 46289 72527 87709 51392 72660 38200
11630 81091 33262 09856 53664 12694 11594 69023 16654 11351
63171 17093 01565 26989 38083 81825 08802 44615 51296 62637
33370 03877 99151 06838 14816 92525 45494 34012 27899 43516
25863 50738 24919 90386 43188 22822 65640 60645 53434 97236
95751 11816 64609 90965 59801 39858 97607 88913 59540 14638
82289 18099 93614 22128 87266 90299 39538 18041 06806 30341
63894 22577 53303 32219 71696 10966 28767 10241 30840 79503
73732 37372 32600 91760 17064 87983 74089 34655 75065 27170
73642 39077 73353 13853 55026 44751 89917 09823 61458 14021
42807 11943 85331 24256 70887 49673 24604 93546 81099 15119
01792 19402 60661 17786 06485 35109 77650 81228 47349 13465
18393 23781 24533 72559 35120 90559 58414 61427 00000 +++++
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12184/10169/8079 kHz, 12-02, 1015/1025/1035 UTC

74523 09624 95078 83979 20802 12538 64423 90414 80733 96978
40539 90439 27614 12708 63609 16885 60133 00901 53162 10628
73875 70412 83139 64687 25499 37420 73852 52773 19279 76881
43033 53259 70694 59247 83142 04502 26768 70863 57142 52434
47813 41507 29908 76397 80313 27485 77479 04121 75584 23737
41324 51803 33939 03378 19811 50234 79016 08126 14081 42878
91986 38039 70490 66878 60295 14009 86840 62067 00000

93022 14647 08063 39345 30355 51394 76508 76478 47492 79097
48450 20040 68039 13028 61463 38927 16646 52180 64303 20842
26414 10099 39803 30506 48763 57912 88798 73060 89161 96767
61036 92326 17181 01838 43983 58618 24299 05107 45484 25787
27905 09108 31209 62202 44916 48809 02824 85339 83481 43824
27812 54666 26170 08152 56904 02523 03115 09617 90037 07673
78526 96206 76790 41225 99030 31489 62224 39595 77251 06300
14077 84215 09097 18893 92233 92665 48157 40724 46435 50916
85688 10076 53127 41375 09587 20698 27425 46421 40807 97657
71098 32117 70664 77579 42543 41775 47446 35473 59650 54090
85782 25325 71531 85493 97207 26653 60027 41446 65346 14200
56933 46338 14172 92963 87894 06688 42764 63117 00000 +++++
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12184/10169/8079 kHz, 12-02, 1015/1025/1035 UTC

12184/10169/8079 kHz, 12-02, 1015/1025/1035 UTC

27889 65275 00735 40626 77784 00725 69485 49996 93252 23813
26825 12117 10559 91804 13842 81234 19950 26036 62682 20389
23224 43474 73099 77947 85134 57520 35212 95089 39592 52729
21871 61446 36574 63152 99109 61060 40708 08975 28088 75874
17449 71145 56977 38924 67781 08679 26238 54422 97412 48321
35690 26926 31360 01270 46861 66780 09895 86627 19012 64011
26766 66285 02293 47861 95653 20915 36469 74167 55772 21769
28651 07750 52583 77958 08461 92009 54533 63920 84081 22921
91768 56732 47627 69611 27762 37993 03252 08699 99786 39931
16470 64598 89166 40443 08090 72966 07265 36746 41218 09478
08120 52327 74776 51127 63684 56887 81943 62227 62598 03952
56992 22317 18435 15856 58930 38132 98355 70770 65403 06864
08119 71471 35288 22866 94357 00533 03408 45001 50106 91638
55825 66832 34457 71683 59127 56823 42340 53377 42162 60749
85323 83010 53647 83503 69391 73093 44098 92483 80629 74541
45511 09750 14762 68101 47231 85137 11471 79696 91460 67517
79438 49398 36821 16385 23053 08683 63430 20970 06704 45689
17912 19057 17620 63143 21789 32691 13181 58656 91694 62978
63631 82058 44831 11143 26149 49486 88126 18053 11194 18889
14519 39380 27087 56644 54799 98600 13740 49982 58473 85009
01489 44893 02052 88942 55959 14212 48222 91399 94909 85568
04343 50236 87976 83883 53685 50143 75275 68105 57866 08563
65781 66877 53918 54767 01437 42808 94414 24261 97911 40052
04108 35697 97971 94874 51503 42516 98375 13890 58813 76462
36243 49669 98730 25195 45838 28394 51453 11161 21700 09249
20401 63929 49050 80240 30057 03169 87436 20133 54386 74454
18524 81175 49247 05102 93992 72329 87249 72195 44466 47662
18491 00027 35411 29607 05607 29100 80956 21779 06583 23921
51543 91018 03746 11729 36378 23372 02396 69384 46597 83674
47495 00587 70096 33448 31868 70601 13953 86767 94338 90712
95390 08827 31247 69549 67208 86845 69783 73512 88629 28040
76579 63459 77487 64331 99979 99848 04705 68474 69457 33532
16994 11303 00584 24373 98710 14776 79008 54891 08818 80511
21878 31112 53871 98495 40135 87802 82988 65658 50136 40305
15721 68990 08013 50127 38779 12914 65242 96491 32536 95565
68827 71037 13262 63697 54558 37842 02011 00881 06769 25976
56113 28694 83038 46750 24193 25593 27274 52869 10669 93132
19600 81662 60656 24257 36517 49583 01226 53308 19736 90168

99935 92475 77154 52639 26599 84352 64387 03337 29204 25294
20314 97173 59928 39263 55056 11298 12203 06852 13841 58145
54729 79170 65176 20082 73423 31279 86784 72803 57197 34866
47726 89706 88532 54846 10147 44392 24768 99574 99100 53509
81057 64421 00000 +++++ +++++ +++++

12184/10169/8079 kHz, 13-02, 1015/1025/1035 UTC

37192 44145 92899 70711 75389 29052 34600 02838 43114 47951
54595 50912 27022 00309 56148 35921 30360 68930 61174 81862
20271 00254 30447 10546 70514 61688 69058 62649 35536 55699
15578 37243 16811 95312 38333 66952 07425 70734 87258 70955
25805 61772 74747 53001 74553 75745 83952 36630 85312 15568
27952 54792 35604 07697 08244 36049 48582 44629 45990 54542
11628 21645 84450 35919 74731 72463 86045 36404 14599 33521
72491 37203 75418 91551 81429 21426 22221 94147 38006 25714
67779 28002 64824 83764 58981 94514 78717 03940 33605 37443
47775 65091 00000

95676 27477 31672 87897 16780 82525 55626 56611 31917 50335
26693 28963 63429 79998 52217 26118 14383 48052 95919 46846
54379 56281 10639 49934 25379 29607 71546 39046 59741 75020
14544 73460 27657 87479 09529 53117 56153 13731 23200 51431
86882 09957 51108 94284 64860 54233 23637 08656 75344 99687
15584 89313 71056 79332 14053 57011 56913 98487 24333 06627
24468 75743 18453 68680 53252 18392 56092 32669 21190 43272
32555 05650 91283 78961 33473 04526 66768 10250 00936 05448
31893 66081 00000 +++++ +++++ +++++

12184/10169/8079 kHz, 14-02, 1015/1025/1035 UTC

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12184/10169/8079 kHz, 17-02, 1015/1025/1035 UTC

92685 50765 52745 33563 82309 24635 30839 67649 70345 50390
75278 07145 49123 24907 21597 60446 89313 19967 95869 68750
25979 31278 53555 68988 16996 89300 27410 02170 28517 05344
51679 03072 27178 51337 54743 32217 83733 96743 37404 36073
17796 51030 79007 46409 38384 85149 38588 54754 59959 30458
43213 22890 98630 78513 80730 15315 78229 30192 39086 64617
00936 67556 59426 05701 62136 46914 95146 39789 14217 36511
94084 14157 08959 47282 46052 28522 73242 30114 62881 04032
97740 38047 83179 75784 43279 76850 18977 94830 94569 92422
86459 50573 15991 68440 87971 49524 89101 32699 37467 11344
36589 95586 46621 68100 62327 69114 13755 77691 62230 39965
82795 87367 85602 94968 64436 08281 51661 22467 36690 87015
50918 37990 67028 85023 86121 07690 23287 01912 32426 67957
65531 03510 21493 64680 36065 40663 79208 60559 89767 69687
71692 83928 31960 10416 39305 17520 55967 02790 23325 50606
97580 47913 14987 42959 48603 44521 81579 74062 96661 56798
49275 76015 83477 74479 47382 73565 98780 51171 43720 79708
52058 31839 25787 20291 89318 05389 07421 86057 47066 43282
65630 35571 60667 10127 37300 97452 69305 57176 30429 45379
84692 34678 29627 44264 15756 84003 00524 91076 66447 95508
22794 98717 48906 43042 06485 96405 79126 31065 71332 45005
47339 15294 93752 90728 80284 82825 51195 05658 37570 02667
18545 88520 09294 82609 96272 24157 07129 93400 74997 25113
66052 46125 66172 03806 98900 33753 53567 48686 70950 72782
45237 02847 86706 05921 30677 68508 06079 51739 72822 85824
32145 12228 89617 59432 37687 74213 04816 31207 22674 65548
72696 22634 19899 52032 06414 95253 90946 85989 64630 02607
79672 42443 76145 32126 15401 03824 07201 60402 83007 79158
01144 70263 02091 68661 45149 03122 82410 09672 43669 44994
47778 64886 03324 69663 45603 38804 58885 87403 84260 33335
95081 72707 65484 78511 43878 69455 03965 99223 61935 96963

51342 03941 17935 05352 66780 06330 44451 53659 01312 15732
34064 09157 88141 57420 84396 91286 56090 08576 21768 08663
08371 60933 58142 62589 33892 46015 61069 15503 43257 83906
41305 47809 46666 41501 87783 51524 15897 11158 04652 34176
97554 45701 30039 31399 69779 10714 41246 51650 59600 40046
76056 01499 63119 05489 24843 64915 35713 36542 73166 35005
44446 51218 99543 21619 99875 83821 58088 83280 09440 20634
00690 56867 19611 79449 18448 83485 39015 93896 07013 53966
59686 88476 85555 22442 18659 55273 24031 61411 67077 68245
58428 56757 39014 96069 98701 66134 37180 99443 59062 89183
77718 67411 00000 +++++

12184/10169/8079 kHz, 18-02, 1015/1025/1035 UTC

35286 26529 81482 82380 04757 67234 63378 41803 42123 07961
99677 02583 22012 85304 65638 77303 63860 54039 98078 39881
61348 78043 68813 86472 55681 40480 54273 77338 13667 77894
24762 76851 96502 67928 01766 33839 30230 25336 56785 69440
13785 85985 50091 64676 25584 83537 32870 64908 14584 48485
61183 43385 86744 84250 95177 91054 22854 00012 81991 24831
88621 04961 45786 31518 23008 93676 33348 89544 15704 77288
88686 35741 09717 40142 55086 69306 89984 26631 28022 10180
43967 87893 07407 53986 05144 43066 22579 68087 00000

99433 09477 39899 81069 97275 80394 83015 39195 00139 53427
29568 17866 17857 37976 02710 88586 61652 33583 92312 36526
11437 85196 25048 79694 55482 00258 43563 33539 57133 01034
61911 56884 28266 10654 89453 40161 14170 96258 40396 21853
19541 17733 71160 44105 30278 55428 12777 83432 10769 15333
90483 17461 81345 35125 47716 13644 05611 39532 16687 50882
42312 18454 02725 10003 41451 26269 74581 94010 89322 25780
77872 64073 32167 25210 13862 02159 33121 81723 50752 36275
42157 69865 59695 89240 83700 38400 92686 36935 91608 03954
44551 86948 46202 54915 66191 13592 93029 69097 00000 +++++
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12184/10169/8079 kHz, 19-02, 1015/1025/1035 UTC

No transmissions

12184/10169/8079 kHz, 20-02, 1015/1025/1035 UTC

09937 40902 94699 59054 85235 01010 43284 92127 50871 78091
11009 31301 94302 57171 36642 13647 92070 51891 18049 51810
98978 69150 29156 87567 59633 85565 95995 40798 97034 09184
99015 89797 57910 24890 93853 43879 19470 46932 67751 94201
87277 27027 73795 53745 38920 91460 10195 22404 93164 05637
36743 38093 09299 89492 45693 99844 46321 32247 29205 73804
36699 79891 10566 18081 54346 93872 31364 87378 81542 04411
11816 03348 04457 06878 26412 01608 91975 74681 62095 91354
37516 87095 51135 88511 68519 95457 95908 08348 53303 76196
27751 28512 59967 44104 67082 58409 47037 24304 76993 75865
90533 06344 27469 17016 77153 28862 12450 30345 18253 68247
86910 30840 64322 29752 16146 15163 24628 64474 54450 23808
21728 60661 95380 61158 35528 70125 00000

97059 66773 48779 20261 81240 10571 37226 84700 88984 49588
96585 16838 96185 67268 38972 26725 75533 14245 28468 64342
99756 43299 49651 30970 42227 31127 10199 60970 29615 60367
44766 09916 26280 71033 00000 +++++ +++++ +++++

12184/10169/8079 kHz, 21-02, 1015/1025/1035 UTC

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12184/10169/8079 kHz, 24-02, 1015/1025/1035 UTC

95392 22726 19082 19946 47826 70768 56922 38588 94781 06990
08827 69965 00299 24514 80039 13421 01700 87962 58682 09632
77727 42871 06589 13546 07005 76767 08446 58831 84023 67848
58924 12266 84836 82189 92476 41504 99640 05429 85508 44660
74452 19858 85592 15146 29038 62867 47429 40198 43316 27671
80222 56541 29391 92253 36179 11606 31430 87480 94800 03763
20551 40308 22673 99986 76923 53019 13418 54410 76259 04443
37524 76185 22889 84077 56717 20103 96604 95064 82570 98405
05465 86941 84045 37223 61736 04129 73642 26079 23175 61064
26851 33904 66822 79944 14591 89981 87512 51997 53329 53280
38266 08229 02558 18599 54777 10576 64325 32970 31161 99412
64502 20747 39160 58340 20480 40825 08003 82194 24972 24434
07081 59222 00628 66920 98655 03347 05126 71985 52771 97472
91446 71793 41557 33766 53009 71402 55115 61838 08357 90941
06179 80782 05080 03987 15729 35995 47668 95559 96744 06714
78973 88201 78302 95226 69976 09537 37182 53667 97535 99793
29183 09354 14819 82692 37340 74597 44091 48157 79211 51916
46566 20275 40447 70607 48967 08953 26807 15596 31564 68699
51824 34509 07267 12974 02305 33907 46556 57541 48842 00621
27894 91264 93541 09114 18306 97780 72136 00827 13828 76486
52690 46422 94507 36289 98064 26883 73641 60535 84346 94398
45935 66578 92420 98965 64281 08408 14868 91657 99835 95785
45393 40483 65084 28322 42953 19788 04582 67924 87779 59123
83056 98078 71485 62531 25568 43367 88441 34167 89395 47687
20611 71217 72361 34595 33022 10035 87261 98221 22082 36435
57098 98184 83902 96093 10803 56947 94838 65971 84131 83053
21416 72716 55428 68683 01845 68982 70932 34954 66303 03581
39331 23423 88175 46430 00235 57210 83432 54225 96263 20195
00352 87759 03439 27712 66751 16856 99558 87187 86928 73824
75254 72160 05503 41399 17404 58112 80328 86074 19602 93557
31686 72806 99363 04821 59927 21980 26760 57946 48765 94611
94156 26172 96393 16711 81765 36407 41631 78732 98674 93152
77268 71070 04061 03298 67812 41524 38259 50239 13810 85671
18391 90745 29939 06091 78222 73020 29069 01369 56954 99389
29448 70831 66621 82058 27235 45934 92798 65372 01548 84250
08285 13013 44215 86993 04474 83583 31429 26012 70081 43002
79472 91198 71925 87152 51724 94240 17446 73224 09113 89661
03646 83187 21221 99081 82151 67822 80218 49636 95070 44769
84819 62500 61336 49002 86437 52440 18230 59196 14746 24340
47771 48400 24815 77642 42646 32472 33015 54627 91388 14699
33884 93489 87477 50050 15135 72123 92053 77495 12998 53585
04927 93825 75075 69132 23587 67418 22917 99820 94877 15378
31474 42553 89039 92495 67647 71554 50802 65461 55098 31184
07216 70770 57521 72433 00000 +++++ +++++ +++++

12184/10169/8079 kHz, 25-02, 1015/1025/1035 UTC

63731 61343 94806 76862 24424 91648 14827 90815 20386 87111
93736 10034 23321 53485 71502 65379 17690 38834 92241 71358
20630 26870 39615 46843 04313 42481 33262 40970 44176 86667
72193 93898 41480 43049 36112 87121 93613 23151 80569 63019
10591 42643 86909 18330 01176 45719 52940 01240 77081 19817
35255 66774 48659 67851 79166 70173 10545 30156 97160 02946
40670 73321 81832 01288 61099 88112 64230 81546 34117 63659
53546 82430 92003 30097 19091 18638 23949 73077 00000

01851 32202 23772 86876 84553 88125 29021 09150 15405 36574
26097 88118 75370 47869 69121 81971 68275 80474 22066 43841
01150 51447 54762 20615 72085 44489 26906 91705 57807 16531
64736 71190 18130 88795 60075 21771 59505 33261 46421 53984
24833 90477 31783 09110 01733 79672 92928 49200 66459 87070
60765 02682 05646 43378 51502 38955 83075 26370 23311 70443
43651 49498 63164 05515 71762 22488 33529 00721 46241 94836

33619 85792 59074 18156 54877 59823 90083 88312 35396 82086
54748 53277 42934 05914 67355 97641 41251 29077 86670 39735
19419 59121 36325 02266 88814 74095 00000 +++++ +++++ +++++

12184/10169/8079 kHz, 26-02, 1015/1025/1035 UTC

75963 60249 17480 77959 53674 32252 17291 88795 30739 51830
85579 77828 91878 27527 64741 30444 06080 89602 07714 94512
03591 18766 40377 86122 73326 76950 34200 46581 16624 19839
87584 42873 18279 95802 39333 28760 20810 60959 62692 08717
12877 65033 13384 71885 67802 87700 30095 88236 93126 30111
10836 84122 77132 91272 13616 39418 43285 83992 54880 73422
48513 70045 04126 11730 86284 19278 98157 51232 80394 22320
23408 65464 80418 11603 39753 17458 94765 70355 44281 72318
22264 34291 98431 26675 68214 15641 66958 97234 55867 04252
42136 35588 69228 25417 51670 61484 88170 59128 73727 31744
01751 50451 07532 87004 10695 65694 72976 43490 54982 74063
37657 21983 27463 59504 94806 31189 59442 92394 40528 47694
89186 15794 23788 59676 49266 25932 67609 66586 33691 51622
84875 51970 30765 62286 37220 71617 32600 59279 10404 24237
57229 30209 04647 96837 44258 70924 63328 02000 09982 04871
88512 49232 72917 54492 16720 17599 85683 44381 53394 21800
34162 40839 89502 88901 89887 57566 48689 87892 26591 82139
38450 79266 36847 02988 03732 76803 09748 41536 06425 38753
55564 19219 79161 30597 88298 14039 26874 26580 02101 86367
74541 42200 02461 78671 84566 14840 78128 18849 92221 74735
24687 81871 32590 73459 55735 89410 57459 62110 62591 52139
65588 36406 08482 84403 94787 90847 68129 45934 49259 49156
48701 90306 60627 63175 53029 24823 06093 97400 71061 11503
32159 41362 10470 63883 57362 17007 02360 19298 52439 73303
43011 91343 21373 85230 57589 32197 31764 99356 96773 59491
67945 93177 02232 27427 05293 40425 01871 46811 29165 99510
20822 83709 46909 67300 19082 91393 66369 65416 91747 55285
39341 51240 92790 55573 93394 70811 68303 77188 00529 95809
10157 21837 56064 11805 65999 01768 66240 49965 66550 19966
67931 79409 56110 66461 28938 02392 37231 85435 02274 19505
65487 92818 32900 57089 55277 49063 40334 74042 82605 16778
25581 90203 95764 57911 75810 03512 69874 50183 65234 88119
66197 27429 75603 90649 82187 73565 84778 66791 03187 24854
96802 25402 91730 60157 11912 72332 75382 83862 59932 71132
19038 31176 45482 62849 92649 50465 78442 12086 70290 42338
88103 71525 21503 60154 44453 82096 80875 01640 35023 50964
06780 46308 70742 74552 65193 18374 19236 98764 99576 79831
88992 33604 72704 83409 12858 64368 91423 40062 04279 26626
50243 80711 84737 37136 54719 16911 05816 97925 10563 30116
14327 15689 89403 44267 33946 03710 07151 61351 61793 58493
75894 64644 03383 28289 15274 19315 94394 15697 34262 25078
82702 81542 19290 75413 00000 +++++ +++++

12184/10169/8079 kHz, 27-02, 1015/1025/1035 UTC

73545 70485 47749 62166 26040 85794 18870 42488 10521 18955
20365 38100 77601 41158 73893 60790 78677 46676 12216 56361
27796 05905 63168 18271 38605 93899 11086 88478 97348 99085
59098 62693 57831 41827 40747 42191 69293 57555 54356 99418
73131 24130 18586 49537 29406 38123 72629 45122 59076 69725
69462 36189 12884 50945 35607 62744 02844 76799 95830 72037
57270 24180 86226 77710 85267 18082 04108 03031 61641 99882
68162 75389 68146 77365 87288 64259 52031 61156 61570 79800
87794 17285 63812 76083 00000

52878 24290 05226 05490 90704 91172 65005 14316 00018 41267
21321 66020 13752 08958 69601 30296 18148 89279 79240 00183
83744 36671 06092 48282 15234 57956 76154 38939 81087 04263
63885 13560 08915 91545 13583 91263 57479 04413 77269 52059

01308 62941 67517 94722 88844 57171 48653 86569 60065 78954
14782 47315 34513 05865 28059 34197 05675 16837 15658 20558
02647 44238 48866 85074 05020 92051 52746 53817 21925 74857
19801 62327 71179 57304 26082 77075 00000 +++++

12184/10169/8079 kHz, 28-02, 1015/1025/1035 UTC

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Pacific schedules

13370/11538/10614 kHz, 03-02, 0230/0240/0251 UTC

13370/11538/10614 kHz, 04-02, 0230/0240/0250 UTC

76741 92368 98858 36954 00135 26837 75791 30024 34750 82464
47842 65627 18318 72102 75252 99827 80449 65271 87909 68567
08355 10485 65764 33488 94680 68230 72464 93857 15932 96780
53153 19312 14880 58019 32361 83067 85423 35478 72938 00326
83324 81766 81954 01529 11259 37587 74511 95171 51625 89512
31406 99855 45539 58729 11570 50257 41464 37920 05240 06723
61903 18476 38789 23153 61593 75234 67147 52883 75648 00925
14762 97239 81072 07497 51037 26448 20096 36546 11171 27611
58761 46001 98347 59404 79205 65264 28218 18218 29064 36009
01595 45391 76448 80793 16311 30268 43920 66708 54181 88722
19918 56222 03987 21876 71046 62425 06447 84661 03701 50854
32091 18958 48429 55086 27980 30943 65494 98289 94213 17386
95066 37924 76164 70546 00473 75763 83362 16379 77961 00446
70989 65720 31402 54728 44855 83157 35364 44637 76101 03257
35012 32696 35700 48840 56260 82429 86111 31011 24609 46315
89622 35591 16119 14406 20148 25681 88945 65726 89150 15018
68881 89764 21661 91822 87336 70112 43336 97821 99203 47527
64479 92131 01029 04570 71983 54697 06949 39006 65112 08963
40813 18178 96072 68475 07931 31506 01307 37100 10897 83336
34443 17530 10905 93294 36849 07789 29017 96354 06719 90415
10807 59804 52624 44001 02813 59283 42493 31779 14254 81101
83916 46962 62434 43003 96755 19495 25277 50590 63964 13924
49419 31560 71572 73072 87320 14980 73767 87190 61803 47751
44014 93301 81479 65489 98140 34388 55488 59961 00341 33150
80993 10315 88018 59987 01865 70247 76423 99914 61992 28335
29007 48084 01671 83676 04432 88615 51256 00000 00000 +++++
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13370/11538 kHz, 05-02, 0230/0240 UTC. Wromg 1000Hz shift

10614 kHz, 05-02, 0256 UTC

13370/11538/10614 kHz, 06-02, 0230/0240/0250 UTC

45281 03080 50354 48561 25950 55523 95861 81527 62756 23548
76568 90999 51528 12858 41903 77758 47996 48111 80832 67809
57656 97247 49757 23853 71036 10336 47976 88101 04447 70159
_____ 78710 93670 96443 49211 27794 20637 40478
22719 98628 74390 22665 78392 88891 26102 87803 59940 90640
78620 37906 91257 67958 46420 00690 62668 04541 99321 16930
11419 30885 62766 07589 01089 32107 87635 06672 29612 12816
44422 70745 20613 70101 87863 01047 77713 84261 05364 39133
06529 47504 53642 22003 34019 79471 30100 07627 79895 03011
45440 06826 59763 78645 89755 82436 24693 21170 09251 01695
66897 46807 _____ 24381 36591 61487 17107 28916
75673 52111 00000 00000 00000 00000 00000 00000 00000

_____ 38157 08697 99035 16977 53193 68100 43229
04201 72429 39846 69169 69397 85572 88995 80810 48045 23501
04509 49719 09377 64392 41594 55618 77860 34857 99671 02421
32118 98291 32165 14439 04724 47615 28961 42458 31318 44618
91790 34362 12480 73011 68447 49985 56783 97520 16795 24929
18489 15354 93937 99494 28297 57279 15415 61533 40611 60578
18590 00507 05735 80896 60755 50066 20455 85341 68352 70676

15436 13928 49926 22818 52868 61577 74880 02504 32815 03574
69513 65624 31678 81668 16286 68005 21236 53011 67237 76265
41685 49108 07506 29162 27122 56575 29885 54114 06905 19718
06351 68550 31328 58620 67455 21037 95059 24103 25816 51064
56757 87558 03783 73538 78323 71368 52631 16295 32223 79241
72818 66159 50308 34076 72069 02946 12576 15525 21965 26132
99313 14458 98998 03911 55059 46506 21048 99270 37812 91874
15187 _____ 77790 27125 88196 51528 12858 41903
19354 93937 59494 55374 24770 94425 44496 70828 42454 25825
20966 73480 71985 28582 78900 27164 76752 15707 _____
_____ 41490 63488 97802 05745 26186 51293 _____
92852 11760 54781 85376 06160 25879 12420 54411 83563 14196
61179 37488 12423 11332 38289 16425 55225 71686 00595 74657
00116 65850 25341 94862 17780 08748 69633 50042 85604 24199
12035 05250 65063 75610 24726 72151 43269 17456 49673 83601
74605 47244 53222 00000 00000 +++++ +++++ +++++

13370 kHz, 07-02, 0230 UTC

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13370/11538/10614 kHz, 10-02, 0230/0240/0250 UTC

59118 87176 60504 98213 96526 34030 61695 78141 62816 82611
09720 41006 76696 78989 72486 89218 39550 51732 76123 44798
93386 45429 91298 74734 16391 42188 59485 16054 17006 75815
82602 17781 12501 68357 24474 41981 02928 43695 97542 91076
76447 97872 33273 53616 06923 30853 59684 85685 29750 69392
34449 70161 06838 35704 07000 20971 16691 41625 08070 24571
30526 12944 90118 35810 60364 73603 67070 70384 90026 44447
26810 61052 24986 36207 14869 65816 21994 48415 12735 73235
84443 30526 12944 90118 34378 77777 88429 _____
82415 19020 59353 54834 62553 84002 86875 11252 67479 66858
12499 97161 91379 84980 30490 95404 80959 09369 58227 75755
14537 53857 51081 33102 11706 17171 81465 86430 47000 45007
17979 58296 66005 04321 65585 99471 27338 87004 52766 72453
18952 85150 76581 20528 22197 05084 41580 06070 22060 12351
53495 22765 87050 24854 53672 11452 67134 96312 05119 34260
83189 57255 66209 86737 06386 05706 12883 52654 50961 64773
95327 31169 28799 49320 40075 91047 39267 08500 33441 31616
92748 39150 47251 55148 91298 78839 92792 80352 14869 34730
13919 51673 86534 01477 55261 24073 _____ 27993
38980 32582 28414 44174 18396 53742 12343 43034 51662 29277
07816 68274 18665 70467 80487 69423 27367 03742 45576 12985
58312 36952 68010 26890 35637 58175 25161 57937 68019 59218
93120 46911 36010 01013 42445 51057 23879 63059 54309 68614
57513 44378 93013 45082 61911 07316 95772 65919 34403 82799
65723 65342 14934 77818 79099 05943 98160 53171 42500 08778
04677 54251 00000 00000 +++++

13370/11538/10614 kHz, 11-02, 0230/0240/0250 UTC

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13370/11538/10614 kHz, 12-02/13-02, 0230/0240/0250 UTC

60867 71680 52840 64058 21956 19153 61979 76736 60803 93316
45599 24749 80031 33225 03724 07021 43277 77157 03215 10175
20257 31680 41826 22567 25677 09950 58453 79276 12928 43933
13009 55234 08503 00250 84368 48693 98074 54311 59813 22212
00171 02446 14422 93346 88388 16706 03837 92236 48070 72030
18848 28276 78403 00467 75229 33048 75862 52122 37271 71724
59927 67551 98434 40103 27041 91245 67576 89478 43715 80928
34179 46535 14736 92345 11021 20447 87406 44217 77719 14366
77763 93067 73605 83502 29700 72594 13333 06966 42937 77281
23692 65566 30785 94936 25054 42764 93618 17847 05869 90943
19022 87224 63677 30212 44524 50648 11065 71907 43871 37184

69989 83992 22775 79857 02925 40540 35070 40191 54266 22481
55211 14466 00419 61814 68068 26418 32017 46456 61935 36050
16714 27929 35702 89232 15971 99060 56125 97802 54289 33898
26129 24840 64323 07013 50085 54800 56304 34387 07002 53195
85226 03070 67553 25529 14216 81793 15904 70137 97533 29732
62250 84659 31644 45588 57024 80795 47787 24210 42691 87066
44491 12901 04090 44236 83464 84635 03237 23106 97307 70351
09547 19359 82470 17517 61397 05137 75911 67142 19984 42049
38876 66455 01389 85293 96250 59389 97818 33574 04914 22104
23937 04513 49527 35709 49227 40231 89217 13380 02334 72801
03558 24058 58315 04246 11318 79921 44739 80767 60394 79812
27561 65921 12381 25804 62736 42385 70191 55109 24482 97037
22202 54498 46139 69024 01321 49431 34573 65499 82448 85080
44044 74724 66743 41440 20486 31231 26151 49696 52136 12711
06620 02066 87451 73332 13445 72268 06242 43176 27183 88840
54968 48468 23565 28460 82136 32300 95855 55267 00000 00000
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13370 kHz, 14-02, 0230 UTC

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13370/11538/10614 kHz, 17-02/18-02, 0230/0240/0250 UTC

56923 44450 30495 78200 06195 28884 57805 14188 51961 30124
42349 10156 05780 07686 65368 65660 07107 42224 22005 90749
52930 27442 99605 91280 93124 90623 99109 69577 02470 96454
72929 07603 65257 13841 77777 24835 33447 50400 65873 28042
44281 84313 62960 95142 08318 48230 06586 60328 03810 44915
43064 92643 38369 99314 06571 85219 63851 76737 28811 97329
55403 21844 52679 16467 90609 98108 48367 32633 89667 32477
55352 42018 02542 94867 98698 22261 54028 67238 53113 46483
82661 81886 53195 28280 34410 33669 73310 14847 97094 95846
25537 70453 86466 94221 49109 17424 19882 19262 89809 26829
38514 80910 92733 76074 64036 35748 56873 56107 00000 00000
+++++

13370/11538/10614 kHz, 19-02/20-02, 0230/0240/0250 UTC

56855 50887 75047 05124 23299 85187 34984 37112 95442 60332
49915 43264 60942 47774 18007 93885 43674 03594 78126 50668
63886 62994 51092 16707 07043 78262 98215 72939 24787 17369
83058 30711 16489 65404 47357 55124 64773 96033 37042 38892
23515 05153 39292 31359 81688 23949 16559 52383 51554 53537
48510 45777 54584 88363 17807 51976 03587 20574 00681 04647
04460 42520 48219 80893 26007 89600 69328 59778 11259 90622
51272 68817 28739 17864 78766 23166 87105 54042 37535 87156
61608 18352 13276 12892 05804 18782 21981 35575 46955 22884
32533 30269 88572 64185 67536 59762 68503 26442 93291 68244
46042 72896 34888 00460 16475 12761 77311 51045 76497 22075
38538 73728 88961 61163 25537 05077 20365 55851 09109 82481
49538 34643 78528 61073 70959 39043 61893 59248 41133 49205
23143 87492 41476 92112 71667 40203 56143 24449 45460 55169
88230 07380 53737 70438 62799 15404 89966 33209 90149 46481
51249 40486 87787 25616 24981 16140 84520 19082 28741 54093
55116 01485 14337 82306 58974 42837 71949 27244 81227 07849
95311 83525 99733 84603 93861 18434 26372 84821 62805 65978
96103 82895 47023 90191 02220 85876 59770 22360 01214 51604
42090 01856 35731 97181 73894 75280 49011 64952 72636 33593
89275 38192 40524 91911 27499 23704 46204 41679 36991 43478
51851 29884 08234 02633 21613 45014 97410 25813 72336 14439
32064 79226 52514 42903 22323 20515 60395 46822 51126 43648
37191 64071 41894 11024 96320 43938 27080 89952 74618 46948
66031 35744 16468 09242 85609 88540 26765 51182 42001 76127
53684 57251 00000 00000 +++++

13370 kHz, 21-02, 0230 UTC

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11538/10614 kHz, 24-02, 0240/0250 UTC

13370/11538/10614 kHz, 25-02, 0230/0240/0250 UTC

93027 61539 46490 99438 11329 62405 80341 29874 37266 00246
07091 35247 41705 07489 54383 56301 15943 53487 08318 95191
04028 99861 58903 86496 76579 63357 83100 56220 44552 78412
26418 73472 36379 76619 68962 24508 86930 25270 86912 63824
11723 92165 45329 21984 64829 28892 83264 74881 03908 89729
77080 04104 10802 28403 92932 03107 41144 39847 64356 08873
01400 39180 55878 63743 76791 95068 98611 37120 58541 59683
08751 61711 43857 62414 24921 64021 07130 59549 25313 93760
65734 57093 10533 81874 88921 48923 63123 81866 23195 37458
19674 74118 32640 29044 16467 37877 77631 21220 94604 20610
80347 24082 75532 59413 50552 82904 42924 34149 70057 94224
91841 57020 59319 32568 31123 28247 74603 30012 49938 82558
09145 75758 84391 16154 96758 27924 45281 68858 41327 54719
92670 41130 20600 47212 68495 50619 37751 70858 _____
_____ 47992 95729 16550 81624 88457 37864 25779 18129 10575
85374 42777 74469 19627 20413 31989 68474 66570 58576 37488
09371 90525 05104 47641 61610 28135 20440 86828 00463 88814
15208 13901 83918 56241 51419 32056 68671 92373 06328 39838
83842 99826 53035 77931 83709 79257 16202 51446 77875 73972
63785 32375 62317 18910 20758 71918 99752 36223 15728 77357
22756 44622 96416 33168 58070 74672 74912 71054 95545 07247
88650 18605 50148 77296 88057 81241 90464 10156 86784 37159
32154 82542 35483 49943 19783 25455 05050 28549 45464 11161
90285 89331 77763 91440 69895 99812 99284 79298 83775 08876
76396 91314 13533 93074 09516 92826 77148 73739 37398 13140
73750 84573 93870 22931 39419 94427 40446 91058 99961 14934
23245 62947 31601 47689 27679 27747 65512 50687 29328 66445
97137 28662 64433 98129 86234 77052 68474 66570 58576 34270
56236 34339 45252 21950 41822 76620 20504 77878 22050 91926
24034 11284 71655 71890 78724 35183 23762 97325 39701 55458
34027 52751 35688 21367 51929 76556 88578 67156 47619 88993
22172 99492 67767 65196 96002 10361 18867 45405 25209 20155
01397 99582 72372 80625 43322 88613 22268 92376 06331 89275
75458 16604 63272 75167 21682 85757 70219 70773 78953 42819
81603 20876 09331 63876 81844 42468 47280 43688 31926 51392
01570 48930 54355 80858 16645 68794 04531 34052 04407 17646
04768 38010 82341 69413 31016 90955 78934 28415 89702 20270
92305 66283 19149 93307 13010 79703 97378 48222 46924 48631
51983 37001 99183 99691 95853 97900 05081 04443 58388 00000
00000 +++++ +++++

13370/11538/10614 kHz, 26-02/27-02, 0230/0240/0250 UTC

52168 98339 85232 38073 10187 15510 16913 77870 77394 98809
00485 84901 27442 68716 74442 07169 53046 27366 17212 50562
27387 34281 69544 09519 51143 10316 97998 03250 27368 80771
54248 90962 31380 93598 09855 64536 67859 73640 71237 42067
32342 98846 04488 10735 19296 09399 24750 92421 43962 85683
29828 30519 70160 56048 82726 21375 61231 20284 72800 38789
96319 99761 10208 25032 19165 50175 33350 46789 11612 97810
33985 39494 09007 85294 29712 88473 99679 37748 38495 20349
75694 85291 34939 03126 27058 02834 92973 78416 96570 53083
44671 74226 37510 43718 09849 71741 41339 34659 76164 24566
27612 56369 34392 53829 13283 25136 58556 67616 03591 66254
65617 78146 71718 81062 94396 15147 19407 18767 08428 58856
35711 38976 52418 41091 96094 75910 57014 87816 69034 40201
91557 01663 22344 19224 09507 07816 46380 61911 16234 11726
36339 58965 13867 42071 00821 54430 02868 77409 88844 49537
45043 79965 52519 84785 17658 84976 87537 11170 13364 19046

18693 86516 65601 45939 22600 57848 04190 63257 04818 15726
70765 98426 73547 31496 48808 77442 77098 13388 87830 64804
97320 42399 26587 98080 16172 73897 44823 65539 97619 15890
98366 00281 52069 19882 17181 89315 75487 45276 71813 21020
80431 83248 33001 19406 61150 51020 93817 38644 59965 92495
09575 16284 27100 46167 84638 08600 91157 66262 21158 56497
82431 08028 89304 55434 76232 13136 97990 27777 48427 56105
70765 21035 60365 37707 56577 80412 15396 36277 30084 69119
54145 52872 61204 34864 80757 11222 58590 45982 37280 98388
16718 45631 68376 57103 21275 97483 43562 65682 92542 21369
29150 66495 71443 42291 27080 28896 77961 01259 22844 57565
96609 01377 09674 82202 68634 87620 81181 89502 95646 83751
09653 83352 _____ 84196 87184 28466 51752 03483
18157 94200 25700 54167 49258 02845 58344 83169 16429 15820
40368 36749 90207 56984 21901 94731 90591 05696 71572 34513
59310 00000 00000 +++++ +++++

13370 kHz, 28-02, 0230 UTC

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F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

14986 kHz, 11-02, 0746 + 0800 UTC

12143 kHz, 11-02, 0822 UTC

16083 kHz, 12-02, 0700 UTC

14983 kHz, 12-02, 0711 UTC. Test

17469 kHz, 12-02, 1007 + 1020 UTC

18677 kHz, 14-02, 1437 UTC

14363 kHz, 14-02, 1453 + 1500 UTC

20056 kHz, 20-02, 0722 UTC

F06

Link 00000

9481/6957/5460 kHz, 01-02, 1700/1710/1720 UTC

12167/9426/7526 kHz, 02-02, 0830/0840/0850 UTC

11100 00000 25641 31007 01839

43226 76633 20948 08998 07138 39868 01497 63597 89330 46316

58713 12370 35596 34485 07872 20328 89232 87045 68252 88534

53875 88756 71535 89818 40809 06758 82007 63565 11685 47912

02030 36782 52586 72887 61185 63617 40381 71663 12567 00524

87295 30149 84625 59259 74647 42606 62022 04899 11679 49556

93920 91062 80422 05866 53168 49527 52542 08695 94777 76434

89081 39996 87176 82251 59062 03250 14640 97705 37865 59129

74354 52849 71337 89774 16551 71466 16558 46372 01138 47994

95197 59718 69275 99151 20422 18458 53334 07467 83255 44694

73662 98877 09371 21640 95614 21614 22210 53010 45265 18526

73403 58844 07257 10064 26405 37436 53207 30083 04285 48067

74133 81680 37630 94228 15301 05223 73470 12020 36962 75781

31179 93406 49411 72143 16290 99033 95787 84593 28152 40274

81076 53655 22377 35203 70733 56968 14008 68190 07376 86513

32347 07785 18986 83338 63377 62598 17043 22006 40728 79850

08043 61930 71106 16294 66834 07792 05140 36178 45203 46228

89569 15955 14152 50979 61724 60408 63307 73679 72222 59904

05899 62472 46825 43435 62732 75660 23403 07147 23610 82547

24917 07181 00000

9481/6957/5460 kHz, 08-02, 1700/1710/1720 UTC
12167/9426/7526 kHz, 09-02, 0830/0840/0850 UTC

11100 00000 35740 07008 01579
73427 23101 43555 38325 59947 58313 83382 09699 45088 60829
57263 71861 50846 20095 84778 59409 08666 60692 00629 79809
00696 92357 23479 51365 18322 46419 56930 01814 23936 28361
71051 69761 26853 41179 37923 76136 09332 59226 19621 57852
63627 57237 32075 80861 26022 24211 33247 74793 18760 16848
09063 56362 35830 32229 55534 33728 33543 04408 80511 09009
11815 54631 73501 21118 97127 49850 16989 96127 63075 49222
37699 97333 49452 43294 21245 92216 65809 15539 38577 78488
90422 80947 57706 36403 00612 81367 39101 99526 95339 42249
38220 61155 96035 20524 63617 58556 36582 98269 64040 02243
78393 01873 42976 42437 11535 51361 24076 89948 27811 69603
15893 33616 76767 06056 49379 21531 40535 54751 86568 98212
88465 71210 23891 14931 97485 17971 38555 55356 49111 93409
51430 43736 39062 23562 04874 27771 60409 21612 78936 53391
46196 44743 94381 73611 82469 03048 75964 58657 27659 00170
74391 99548 99237 10371 70422 08155 00000

9481/6957/5460 kHz, 15-02, 1700/1710/1720 UTC
12167/9426/7526 kHz, 16-02, 0830/0840/0850 UTC

11100 00000 45710 14009 02139
86175 30302 88169 35851 51959 75799 10567 82448 58292 75652
58085 97947 08410 04898 75227 26410 05419 68005 04041 51595
10662 59466 30822 49195 98673 07292 47362 11832 75894 35361
06434 45240 55349 05556 76204 59081 04470 25613 23265 00830
08246 33639 78950 06149 14899 95227 68661 64221 56259 74105
08854 21456 60046 62249 01389 72006 96216 80424 79942 08544
24597 85056 88148 31730 35962 42400 94166 41806 03764 55923
71362 60758 88690 57851 99793 58483 63247 00819 68183 81394
48538 10539 81061 06908 80450 85465 00781 72247 47415 54347
79073 50995 66937 27643 57854 75847 93089 03714 43946 30983
72143 15743 87414 62514 88531 30310 18212 80427 68337 33571
20802 50475 32488 65967 51464 99442 16834 91406 27961 82230
01327 11861 46255 84193 15451 63303 03966 57169 12121 53937
35248 12638 27223 30645 86791 20443 66983 84594 89611 86520
90361 31951 06339 08074 78650 30612 58671 29614 09467 18929
64704 48330 77325 87328 40803 42207 27987 18784 47711 19337
98755 59074 85590 11855 81929 02767 67674 62948 53575 05851
27214 80363 34825 60983 37427 54860 77885 96257 49106 67038
93932 83449 75598 30983 65096 66674 79843 48169 07707 47392
43131 70051 79007 86690 20302 92781 44504 10806 11055 32499
48148 30784 02052 54619 52545 12260 59516 55569 41361 56251
77004 09211 00000

9481/6957/5460 kHz, 22-02, 1700/1710/1720 UTC
12167/9426/7526 kHz, 23-02, 0830/0840/0850 UTC

11100 00000 25891 21010 01959
11422 26135 29198 19657 10993 04390 87614 73136 13785 37420
58557 09057 60632 14038 84302 04878 44278 00178 80634 45076
89811 09841 35309 32173 03567 18321 17933 54892 07660 03653
30955 61887 02359 27219 56466 14468 23480 89460 78482 16767
86983 21618 85402 46793 37967 99442 82334 36795 46238 89825
67964 76378 15663 66270 55675 36817 99463 54143 43577 39994
38669 91664 63164 20406 65888 17539 61265 53669 41610 21200
94980 49976 15207 16582 44304 35923 27838 25361 72095 73155
99423 80619 86115 87269 66901 86842 82793 05400 65931 97210
77418 25948 73249 94109 50451 68859 51853 83802 64627 79923
66199 41198 32557 87498 59624 65659 39497 35127 11141 33773
50984 38461 13831 60045 60025 39944 42000 01430 53517 59686
99293 66651 02600 65962 64952 16250 06621 13781 80405 64278
45397 24958 43380 17607 19470 08131 01718 13761 83030 42145

64084 43222 99214 71271 69771 67153 72445 85660 84747 66463
37512 85503 16191 83156 10076 52310 62643 39908 28293 75761
42014 48797 40234 09562 64594 45140 16791 54731 43280 07358
94764 93782 58190 48811 79810 24212 17867 92556 63940 64738
84242 64940 37256 32742 53572 68979 98612 16329 10498 23471
94897 89458 97455 10193 00000

10421/8016/6812 kHz, 03-02/04-02, 0800/0810/0820 UTC

11100 00000 47281 31074 01039
61360 25541 87490 80909 83566 85746 21390 49836 00645 09806
17359 19670 57864 26681 08272 70087 05151 18693 44178 18606
41391 11795 87443 15009 80322 73764 47430 33526 05185 56231
34425 61210 04341 41507 37487 05938 05029 80119 55915 72472
47458 30019 39009 80041 66415 33380 13823 19850 72583 91932
05594 75970 50754 26778 80533 58053 17120 33599 65672 19286
02839 69231 25437 58053 56050 30515 99660 26715 79548 11363
32701 95956 46271 49003 48358 48145 59820 95304 50290 98119
52182 74145 52592 64868 35850 10754 70246 42517 52519 43956
24121 44071 85558 57276 40206 16356 28440 89815 47779 49575
26303 74101 00000

10421/8016/6812 kHz, 10-02/11-02, 0800/0810/0820 UTC

11100 00000 18745 07075 03559
88088 15781 48499 30106 45123 01265 68548 23199 07357 62696
64634 19220 36283 12071 80113 46757 11984 84663 84924 16127
90033 44505 22764 21753 13521 62245 46740 35221 20669 00285
14685 82800 37162 50938 50848 44910 72658 98924 21838 38636
75231 89494 07132 65204 54985 54453 46678 12142 09848 49812
82451 51652 73750 13335 98866 05312 59290 30794 97542 88108
22179 95544 64509 48746 68205 89109 86986 78690 44282 68196
60343 15694 74795 04973 26678 69008 92842 73992 85020 50747
33299 72651 29076 66720 88177 80099 35730 35388 02027 96636
92411 04545 89695 45104 59897 40999 15211 24176 32323 46224
74487 57547 46779 03121 28842 67311 93022 21003 39240 43346
61876 26624 66777 40959 28756 21116 42622 37525 67407 03657
73859 15810 37880 59092 86352 90085 94332 57534 14585 30942
94687 23069 99863 25531 62071 20791 73260 23756 98764 46641
90780 19880 18540 81200 22222 18645 83757 83661 39076 96408
81894 28002 94604 15076 51638 55433 05016 05663 58892 54184
68944 32092 45131 62753 33369 97499 61452 85610 67668 71209
28440 52267 12133 78546 20318 94650 19567 47318 77123 19010
75638 19076 35344 95335 95788 65665 31692 14671 29884 58992
05036 45954 23344 58445 00756 15810 68709 22700 08741 10767
42203 47244 42328 05576 61578 38209 29895 65995 65301 99387
53042 56544 16435 44878 01778 72270 29156 98001 33126 29847
65981 03446 02979 99710 37777 75877 60630 11108 32234 49567
93500 33599 28275 86479 87895 00150 36302 71178 03332 77347
91086 05872 05018 62119 50453 81062 37219 91865 13133 72767
60784 45613 83739 91392 41644 43418 72732 61835 62402 85566
40690 63339 68904 89130 74322 30297 42304 17475 88187 00663
56607 13294 09853 44212 24532 63743 05649 42646 26925 35737
38982 21901 88645 79107 32263 53545 47314 97657 69768 90208
29806 99096 36432 74107 93446 56595 25086 55972 55288 03259
10943 10113 14232 33978 94339 63667 35205 07732 19219 71991
64741 62260 73821 76456 03593 83558 14609 76514 37037 43702
06117 24365 01356 18945 95016 15263 76998 73229 75915 39955
47082 84478 86309 20367 61977 67117 02829 22102 58830 88916
24623 88746 28418 04768 50832 16315 66809 98100 67452 31286
15458 85646 64687 75353 00000

10421/8016/6812 kHz, 17-02/18-02, 0800/0810/0820 UTC

11100 00000 57320 14076 06759
35918 06827 87555 80159 03126 18506 27184 99593 82443 04250
93770 82310 47201 95138 39859 51748 93181 38028 14454 01540
06582 29114 99586 22087 15669 65954 39167 88575 49559 35129
46053 40088 52573 77741 98294 04529 27583 99929 60453 49031
06813 20598 90979 60541 73507 73526 21546 86267 82925 06074
19300 88681 56080 41651 67959 94748 44680 98140 28699 44097
90687 79473 66748 65792 28952 82528 54665 38412 06343 86556
88194 13113 15830 17312 75663 04373 68932 03073 86861 78092
54993 64749 72311 91750 60705 07260 88903 66300 48324 04363
92809 94485 16017 94134 85617 15274 88772 27279 24627 09090
13319 35454 33246 93536 55478 11812 72421 24292 23405 20926
59036 30871 65136 80301 42226 41936 13901 80666 73539 79846
79613 37198 31878 29134 10006 88917 89170 08591 69815 88397
27696 01659 11487 49003 45011 24810 35805 41830 07411 38596
65917 59541 37862 31067 83166 89291 49345 28240 98175 61906
59550 11303 55628 69534 47845 45246 96179 68935 40483 48610
23925 12601 34956 59026 52884 74896 99453 74255 30917 65409
08356 73395 64523 46693 99694 47955 92957 98589 65531 97475
85097 96328 11181 69396 57507 94571 44214 47840 37122 34616
79190 21014 17007 16917 69050 81912 78614 06139 99100 42007
78988 60908 04540 62615 26340 05463 97450 33623 92446 85383
14210 54270 35301 74595 19241 95668 30454 25824 26050 49744
34482 81698 21491 94295 29028 88686 04185 28850 18840 81048
73041 61013 82250 26995 26810 47990 97545 54246 60610 22970
93632 97168 70368 61062 98479 32680 01100 64472 83731 97115
99981 71601 28969 01236 60146 19761 54020 85565 66129 16184
92785 83255 76926 97030 07002 82651 07577 79068 63382 06753
95216 33708 22579 51756 60557 38103 13391 51870 00691 82972
90670 62586 74201 41866 00358 79592 64479 31529 00077 35518
32215 18072 08742 41704 92972 48633 83600 67174 80811 13211
48155 72003 83874 66364 19410 37269 62888 63456 07855 58765
88510 91147 88658 96686 58460 96805 67481 98445 80378 46531
89352 36823 31336 66484 64059 30647 29955 47203 06467 40168
82049 15592 15231 54331 85751 04274 38311 12141 07039 72999
98752 25275 61615 61788 79149 94178 64076 80499 88239 34785
30290 64510 58067 58073 43949 51204 45150 69655 23213 56939
34086 81552 48387 59196 67036 53383 36576 13587 47533 05120
74244 60420 92031 68625 43628 00497 27659 70139 03927 44839
59592 60912 13227 68023 56500 38172 02074 19827 27492 23607
34649 74850 89003 91560 18486 24822 45066 64116 48643 43267
29388 15267 97306 77220 82696 51352 84729 45690 63762 59956
92452 49529 17562 44444 04762 22439 48995 86335 89289 77759
75623 02696 52728 30757 57829 90735 32566 01081 29873 76802
10806 25088 80250 11953 60588 32715 54819 81304 61666 68594
81102 19330 45658 62087 37234 48305 57031 75937 13959 82091
40743 88222 43145 62427 92475 87294 91234 19936 32412 84396
41073 77024 88481 73637 10557 34865 00015 94029 81530 11644
77746 73252 37381 24273 81108 57843 32758 30737 98734 59513
43858 75282 43139 72249 72720 03619 95481 39910 03953 40329
61373 79003 37347 45679 23652 86316 44807 93998 03074 86103
25026 40845 62841 96514 54362 71112 17932 19939 57342 45292
35132 86972 45224 86062 34748 08684 96074 72401 29898 16862
74779 33399 64357 96950 16436 58974 34858 43335 21563 69665
08815 91688 36562 12695 73383 08049 17875 76485 76819 39328
03261 40833 48048 54933 38651 04897 05400 34184 33998 60216
90439 79222 46575 00939 87837 58099 15144 88431 17206 07721
93448 12488 07851 51347 56460 16291 92367 10332 77808 77343
80025 14779 01850 61540 95868 42827 58793 92565 96489 43220
96341 03822 98381 20876 26260 65055 79847 90122 09337 00885
42362 25309 27152 43400 42358 63457 14102 86045 29353 38654
48116 30949 51364 52871 23506 46900 13543 12898 54370 80158

00974 88076 82017 85282 01566 68518 84818 68169 89984 28506
13946 58478 58556 24751 03422 53650 06074 84207 27931 01684
20460 61119 06813 14879 16216 67995 77689 31717 12582 10202
88161 69080 63370 78846 79002 31981 74391 81659 57297 73011
69410 16548 82960 18672 90582 17509 17071 04798 44298 27599
05457 88241 28372 78642 95975 27020 01520 82357 12925 46105
81058 62606 37011 76673 00000

10421/8016/6812 kHz, 24-02/25-02, 0800/0810/0820 UTC

11100 00000 64320 21077 05239
54170 20317 26585 10321 89643 07743 22107 20420 05215 24179
63107 49118 15131 45625 28393 59468 54742 24295 31347 54975
99561 02668 83956 68511 53564 73742 91807 06004 11413 10908
97215 30861 24298 15889 12691 00045 24076 58195 11924 87747
85394 04507 70480 57602 30502 61443 73381 69369 06409 80144
31778 31024 89105 96112 75888 32203 94522 02738 16391 19928
00907 81958 91465 02555 12321 40484 41666 92883 17935 25023
79808 26366 26814 14954 48075 15343 82873 15874 79501 25265
89708 02462 06054 83815 99960 84098 80476 58879 48935 91679
04087 66305 37136 09049 77726 93382 91419 97508 18039 48983
59442 86826 06265 76301 17105 31191 61749 89122 93668 53535
57337 17574 44229 26684 18860 74274 24253 64761 75880 76847
45842 23271 55906 87700 20430 31325 39237 57041 17587 04430
16652 80049 94629 11271 17112 04145 76716 92952 97671 47290
92121 58104 12786 13274 92370 02312 05193 14890 11922 25293
85576 40978 47097 44276 93176 28243 58931 26999 54550 23793
29630 92778 82657 49351 27342 55080 83478 03046 58906 04034
62324 59754 15284 52325 47054 55908 39345 92905 70363 69710
70718 41952 78350 32704 47366 65523 57536 33622 68593 13343
97529 00462 49167 08149 31523 71719 19238 64043 21808 92720
49747 32294 82502 97988 08013 98001 56664 65582 73177 76090
89993 54350 66206 80058 68300 60021 74125 61902 10935 51093
73183 46692 37354 70434 80629 10196 49026 13549 89787 73013
93856 19445 68123 09656 05313 35026 22985 95998 33450 38964
64705 43554 10019 35984 21763 93993 14839 57488 87666 72366
35636 29471 04283 22446 38512 93657 11261 72637 91259 92796
16274 05901 06692 56059 65731 32101 98173 45464 20683 86247
64556 49283 67579 01046 46686 33350 18576 27203 22691 86225
81092 99930 34215 19135 01281 75062 60805 06644 11118 83255
84626 78981 33790 75684 12694 01965 27080 59678 48818 05463
69408 47738 32442 46331 18260 68376 86555 16748 95648 12195
41891 33915 80319 11672 29561 72025 11385 78066 59350 22467
33067 43893 25843 93183 35246 84401 09555 83124 69491 16494
65290 92744 45269 98526 14878 56463 36024 79421 86501 08041
49793 70537 67790 14803 44074 38731 64873 41645 89609 44042
84573 30764 12792 70455 81938 08049 71361 23153 40282 52068
43099 90721 75946 86594 32191 95727 84947 82597 22958 82117
73706 80654 35637 12864 41049 69698 63898 76310 03667 83060
98786 24639 82215 97731 68785 92910 90252 47782 50669 72103
93191 87882 30852 34594 29457 67858 21909 35522 11048 04215
63962 38465 45669 59576 65619 38869 47642 65970 64143 83674
29765 52900 09557 10566 93326 66132 02354 55290 58441 88153
39514 00478 01915 96220 48507 64408 94803 18947 13970 53151
56887 77355 26749 24525 70200 21356 09991 37310 18856 97553
01977 84152 47308 09355 00375 31597 54273 55289 97614 15687
64470 56494 62053 66564 45393 09298 44637 60522 61281 23831
15737 22918 81484 34626 61842 30422 85421 94106 96815 86006
31289 84942 67375 65133 80745 12178 57508 56567 96731 61089
21501 46256 56617 31699 00258 17716 47884 85888 00627 67357
38495 68047 42382 58190 39176 85192 02581 60343 99767 57504
11971 51841 06854 75195 83129 78070 74841 22686 75036 93374
47691 55981 23754 33217 53475 44224 93910 90344 78954 11334
30672 77521 00000

PY found other traces of F06 transmissions. Alas, no recordings or transcripts but visible on the SRD waterfall.

This one certainly looked like a 0810/0820/0830z cycle, but the 0820z slot was not found.

19624 kHz, 17-02, 0810 UTC (waterfall only)
14731 kHz, 17-02, 0830 UTC (logged by T101)
19624 kHz, 18-02, 0810 UTC (waterfall only)
14731 kHz, 18-02, 0830 UTC (waterfall only)

Another one. It seems like a weird Saturday schedule. Signal was pretty poor, only the 0300z slot was visible most of the time. We've had some logs like that a year ago too.(PY)

9491 01-02, 0300 UTC (waterfall only)
9491/12147/13376 kHz, 08-02, 0300/0315/0330 UTC (waterfall only)
9491 kHz, 15-02, 0300 UTC (waterfall only)
9491 kHz, 22-02, 0300 UTC (waterfall only)

Link 09501 (Pacific schedules)

17532 kHz, 03-02/04-02, 0100 UTC

11100 09501 00000 03013 03309
91828 74233 44872 23181 25587 43297 42235 23639 63178 43225
78961 78936 29139 76161 38109 41051 41828 01257 27229 81709
04680 34693 97215 80347 14748 36118 93267 72710 74461 11213
86432 02285 17550 85042 59143 41760 85059 25906 43201 76681
12413 24356 33638 68508 13428 57089 26891 39254 72264 90377
56739 44890 79200 02744 26420 29709 71210 31564 60385 78836
63249 73280 24119 11070 81213 91912 85456 79238 32487 15566
15851 70270 75025 25605 55015 22155 70921 68199 87378 99986
35364 42911 03802 98276 16962 48031 46980 61724 70342 87331
63974 41633 06974 67938 14314 30155 35152 44000 07100 39558
25081 85849 65543 18701 59990 79332 42399 23897 59223 85014
34696 86370 84239 11922 71238 43469 63459 85531 71285 25846
96897 14688 97868 17779 26521 87119 54175 32821 83258 48277
96423 71976 46620 43140 61699 56579 77840 25712 34155 53068
12502 65873 98029 31840 23566 08285 50929 27379 90749 63037
75788 91836 37192 32712 94968 59262 19339 05568 54919 62657
80989 69525 14843 71059 07443 26636 37804 38826 40674 12729
07713 84313 41487 51924 20629 40144 09582 00692 23820 42230
97454 61150 01005 49772 79104 68296 27232 13385 59439 80838
41827 33568 35365 30340 12833 76688 44451 08345 91401 40672
62149 96181 79563 87593 33472 67131 59807 85341 50086 15641
59918 25560 08758 93285 51511 10040 12075 56145 05684 22763
97396 53300 54243 29770 04965 11129 29932 74055 21110 93089
84102 57662 57490 39682 05263 28177 52310 18269 86937 11806
04443 37449 18294 60216 76403 05673 95949 03342 27107 38776
80408 25323 60346 46134 45571 05793 99934 50112 94741 93666
27446 18504 41578 05653 43481 14652 79425 66648 38420 94923
87456 34221 83577 08241 47079 74362 78701 77351 67021 80689
16767 66519 40555 54305 51986 65335 83281 86476 81980 43322
24926 11340 80047 55035 53562 20814 38468 00328 35732 58903
08782 69496 60865 37586 49976 27956 83468 41470 20520 20175
61491 13410 75183 97515 14332 38261 52579 99707 48904 66975
64371 44605 27210 48205 22067 05942 73851 59628 13328 00000

F06a: 17532 kHz, 05-02/06-02, 0100 UTC

File ZFD_046 (2048 bytes) 44400 09501 00000 05046 00009

17532 kHz, 07-02, 0100 UTC

11100 09501 00000 07056 00049 00000 00000 00000 00000

17532 kHz, 10-02, 0100 UTC

17532/16351/14428 kHz, 11-02, 0100/0110/0120 UTC

17532 kHz, 11-02, 0100 UTC: strange TX sounding like a very truncated F06 looped for a minute, undecodable



11100 09501 00000 10014 02619
06686 74622 79251 41897 51476 00403 71481 90688 88625 27009
83321 16495 13475 44307 04899 48926 43972 66523 04776 92985
91049 52890 76947 82777 20902 87769 85190 22025 51339 31183
59470 84845 49413 75690 24083 75219 22501 70553 62227 68584
20031 99122 46684 83997 88042 20382 91299 60300 43767 10596
02961 34726 62412 65990 38737 47386 93339 52398 97894 20075
47831 12827 03456 82820 25622 68869 52999 46638 72384 76892
43385 45903 85364 24964 99094 98797 09349 81419 58869 59252
90147 31050 00337 58842 77788 59803 07315 62046 96598 73970
09481 83335 24382 64780 49086 39510 47848 54340 54414 35730
86513 83860 24659 08667 02242 30106 55924 75237 36610 61004
63015 60322 43306 66350 76723 01945 07722 24552 21290 57311
70951 91342 01724 58181 00362 21407 55676 88985 73939 58850
49557 86135 70591 57461 23567 81962 83590 16687 15353 41723
99355 44278 16957 67111 08747 81521 44757 64704 43071 52020
27088 02798 51981 19932 39211 05050 65458 68630 40352 54378
07060 35706 92468 05558 50629 65259 65438 29936 37651 63404
58374 40724 97426 67947 91726 72281 37289 68155 49884 11855
95004 35555 78942 07187 70584 51717 69342 98439 79667 43939
78053 47882 95681 64780 70000 65761 72954 76383 83414 55799
67973 25519 48794 28769 00977 20283 16171 57559 25063 44402
70363 72193 95004 70067 38904 18218 52968 55242 22331 26913
73299 36383 01531 70756 33592 52504 01820 02574 04204 61526
18450 01825 73424 34855 33231 76452 50473 41115 76946 93734
13510 54977 17267 38578 94865 52028 76831 22697 20655 75611
11200 93095 46978 86576 01348 13320 59890 31873 40403 14259
00000

F06a: 17532 kHz, 12-02/13-02, 0100 UTC

File ZFD_047 (1536 bytes) 44400 09501 00000 12047 00009

17532 kHz, 14-02, 0100 UTC

11100 09501 00000 14048 00049 00000 00000 00000 00000

17532 kHz, 17-02/18-02, 0100 UTC 11100 09501 00000 17015 03049

27314 57959 28548 09649 87593 22846 68380 75548 99508 38169
41986 19842 58851 06982 60118 48718 33654 29867 02816 22985
06050 83006 53499 47318 12290 86972 86684 27582 23074 77182
64002 69649 31417 11946 18195 18168 40214 79055 29796 58698
66703 86840 26177 31677 06008 50640 57633 31625 20950 10614
30218 90057 50320 41848 00000 65510 52795 42677 58429 89143
28681 12168 63513 39344 86681 52701 96472 43768 47872 58592
48573 32268 04065 76673 67832 89130 72761 49801 20258 78069
15872 79197 45342 38415 14392 66589 10472 75923 16219 22055
93954 96660 99313 48547 51346 57383 17365 39003 44765 30871
20173 46991 39885 09624 65924 16834 00289 96389 67546 84139
33869 54933 40332 82677 70978 19510 43027 18546 78994 86455
29551 97555 43004 36349 53562 16779 67282 60182 93032 56190
77270 87961 87036 31350 26718 43196 01930 93052 39695 71703
69110 84893 42155 18161 61554 94672 62730 48857 01303 60596
07461 44066 15094 18191 38134 08492 80331 98880 08918 73215
28567 16165 40997 87584 98695 00328 39869 24476 57038 67622
85015 47384 26513 34863 46617 12760 92074 15368 09012 06034
74606 57182 05575 34778 90461 09534 94712 27431 38837 28434
31661 11023 84160 57391 15767 66349 25694 44147 17950 84016
71521 79397 18024 69807 59128 68411 06571 72800 89742 71506
31053 34680 68638 74306 90853 83677 68581 73720 10922 21572
58607 90583 48731 77204 65318 44896 14215 24928 58888 54593

07384 91436 80963 43796 03308 99408 56640 71463 39141 21414
57719 16399 82893 42500 09413 79535 88626 54911 57694 89450
67755 33383 39485 22036 31161 64424 22858 70268 81786 28054
09449 25012 62406 55413 16259 52797 88266 10688 79046 81507
19267 70796 44480 29915 51387 01257 43254 41997 32036 51692
61350 11984 29019 19396 51622 11060 07797 54408 52910 51660
96741 04525 08857 50313 45066 23690 03618 74944 03114 92207
56657 87593 15302 00000

F06a: 17532 kHz, 19-02/20-02, 0100 UTC

File ZFD_048 (1331 bytes) 44400 09501 00000 19048 00009

17532 kHz, 21-02, 0100 UTC

11100 09501 35489 21783 00049 00000 00000 00000 00000

Strangely, this F06 null's third group wasn't 00000, as is normally always the case on this schedule. (PY)

17532 kHz, 24-02/25-02, 0100 UTC

11100 09501 00000 24016 04439
10825 14669 79799 14034 48259 60357 79230 58235 64947 24459
14302 62543 12011 91186 24009 86658 86550 14069 91218 95960
45716 05114 82187 27864 82222 31086 21730 36392 90962 65356
46211 25909 81433 68757 01566 09954 15640 97877 78523 56107
76184 64234 02222 02829 94209 92762 18409 59209 91903 53061
43414 23567 19230 61828 70072 81829 89597 79921 46797 71642
44131 52494 71980 23130 99249 65625 70918 12260 57235 17898
47441 87744 84467 30355 27434 57407 87033 43266 36446 44964
38379 73157 78565 53157 38706 28525 08753 94163 10786 07684
15816 73230 61897 27175 58221 36479 66557 54185 19924 18792
49742 41401 78401 52744 75283 87749 02084 24508 69131 73445
19367 87662 32167 42800 26396 70854 22246 33221 25802 40243
10179 73834 13587 02668 39319 02181 56338 60476 43451 72413
25964 53950 02669 53433 84137 52264 41929 40410 33631 78924
01968 28113 78733 82603 37268 19499 61943 89340 20766 67992
69111 97010 59981 76894 20227 98027 54263 04354 88046 41202
47838 47349 11731 68699 58339 03105 97693 89029 85516 31392
24845 72011 29816 66143 96416 76651 75496 49822 05557 47861
17994 88979 06879 42968 40210 54450 11162 73946 67412 74600
45376 76301 55439 95092 45230 40568 91885 03585 72426 67322
14969 42810 73811 31686 79764 60473 24603 68229 26479 69402
22896 12224 30470 16386 27619 58183 38694 83150 57132 21622
22260 67888 90667 14981 99787 20808 39780 73643 11256 32108
82005 92990 47022 95843 73924 62429 61712 98102 85788 07327
27654 02934 24938 74800 07549 34476 40157 24283 51077 78704
24190 08817 45112 53249 56575 58009 72227 18721 54009 98578
57208 29972 20413 73444 06224 50736 13893 45282 68372 80092
72784 95493 74272 64175 67966 54523 31394 91577 73632 24459
80813 95885 73700 79854 45086 13776 46065 57718 21917 72120
91862 72588 03316 02534 01943 17656 24936 06790 77737 37851
75269 21569 48712 85842 19400 55946 53583 96888 16985 00081
77493 43464 39169 28529 62339 55621 14115 46623 32416 18001
55826 53358 02595 79448 55962 19216 61202 36159 43330 02373
44793 74302 40741 51717 47008 83048 73912 70128 28697 73953
12111 36439 21506 67614 45224 09534 42097 33565 26942 63010
59218 94314 38738 23846 80773 29498 54344 13503 53110 41052
09394 14914 89704 65366 05937 13789 71419 43350 06498 87666
85534 84338 97375 41165 95742 84788 25871 10859 60277 87697
41122 88218 40377 93678 93247 34061 66278 59640 70470 82939
52899 45993 78924 60904 82431 98335 94819 65094 96005 74547
43658 78568 61631 53228 86194 18839 10595 84428 15814 43528
59492 68592 97025 61589 60108 74674 99762 23542 44304 33339
09165 89135 56114 66205 15534 95898 88243 37065 14164 77008
65139 36002 69708 01904 39837 32367 24797 38100 96760 57535
57569 16441 00000

F06a: 17532/1635/14428 kHz, 26-02, 0100/0116/0130 UTC
F06a: 17532/1635 kHz, 26-02, 0100/0115 UTC
File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009

17532 kHz, 28-02, 0100 UTC
11100 09501 00000 28012 00049 00000 00000 00000 00000

Link 10053

14983/13379/10498 kHz, 02-02, 1530/1540/1550 UTC
11166 10053 32147 02001 00049 00000 00000 00000 00000

14983/13379/10498 kHz, 09-02, 1530/1540/1550 UTC
11166 10053 78923 09001 00049 00000 00000 00000 00000

14983/13379/10498 kHz, 16-02, 1530/1540/1550 UTC
11166 10053 57136 16001 00049 00000 00000 00000 00000

14983/13379/10498 kHz, 23-02, 1530/1540/1550 UTC
11166 10053 25813 23078 00049 00000 00000 00000 00000

13377/12225/9139 kHz, 04-02, 1650/1700/1710 UTC
11166 10053 98234 04001 00049 00000 00000 00000 00000

13377/12225/9139 kHz, 11-02, 1650/1700/1710 UTC
11166 10053 32147 11001 00049 00000 00000 00000 00000

13377/12225/9139 kHz, 18-02, 1650/1700/1710 UTC
11166 10053 95123 18001 00049 00000 00000 00000 00000

13377/12225/9139 kHz, 25-02, 1650/1700/1710 UTC
11166 10053 15963 25001 00049 00000 00000 00000 00000

Link 60070

10919/9083/8176 kHz, 04-02, 0030/0040/0050 UTC
11166 60070 19703 04001 00049 00000 00000 00000 00000

10919/9083/8176 kHz, 11-02, 0030/0040/0050 UTC
11166 60070 57138 11001 00049 00000 00000 00000 00000

10919/9083/8176 kHz, 18-02, 0030/0040/0050 UTC
11166 60070 90451 18001 00049 00000 00000 00000 00000

10919/9083/8176 kHz, 25-02, 0030/0040/0050 UTC
11166 60070 34785 25001 00049 00000 00000 00000 00000

Link 70059

6866 kHz, 03-02, 0500 UTC
11166 70059 32147 03001 00049 00000 00000 00000 00000

6866 kHz, 17-02, 0500 UTC
11166 70059 57138 17001 00049 00000 00000 00000 00000

Link 70202

11048/9244/7319 kHz, 03-02, 0700/0715/0730 UTC File 44447 (binary contents)
11164/9164/7617 kHz, 03-02, 1200/1215/1230 UTC File 44447 (binary contents)

11048/9244/7319 kHz, 04-02, 0700/0710/0720 UTC

11164/9164/7617 kHz, 04-02, 1200/1210/1220 UTC

11166 70202 67831 03048 02179

22048 03846 83200 04668 24883 62231 14830 54610 99857 94975
25627 32539 52105 83581 77274 92753 57490 04222 09890 07098
06548 41185 77997 88606 41487 65655 13177 48463 59704 47008
49293 65939 82232 88816 71276 76005 10568 06750 73362 04317
20322 90552 37755 04239 65117 17300 69621 75618 89180 08100
49389 69976 72063 45452 88252 11816 53927 93425 97845 90726
14838 87867 10011 03988 06495 88809 07607 54337 59841 12279
52280 32604 16996 83680 20156 39901 60929 79957 81373 29042
41340 52702 84403 69898 20155 49420 31093 68360 85100 75113
53366 93600 04768 61395 27530 93326 23633 35306 87101 01713
20446 05027 20124 69686 78441 04669 61880 72276 40798 65340
18963 72689 49795 04667 85622 47818 93097 51954 38342 04861
05599 51183 19572 43744 00281 09035 46564 45027 26504 80101
06233 87992 79184 06515 21999 28588 07282 54140 03541 91930
95042 12550 15386 59039 14438 50944 25299 52501 72224 47230
18386 50747 00079 32416 87856 85626 61228 17541 38390 02974
72030 95301 63035 90849 61925 33576 79574 05146 20206 03031
37312 47238 03048 05996 30200 73381 99219 98797 77250 40529
77935 24738 56174 18264 67259 99900 01175 21532 36526 18982
00848 43863 81196 73326 57105 95770 33596 98356 91078 78009
47962 92586 06933 44389 33256 75402 49527 33820 32157 75802
16855 76293 69689 69281 13217 48215 00000

11166 70202 68412 03049 01099

93808 05504 76424 98735 01312 56628 07020 61260 35012 97209
03832 82323 62743 34954 23039 06074 96532 61407 54471 17185
12362 94549 53344 93269 80979 76571 47866 36680 95673 56506
71172 27901 07961 12419 90997 67703 07119 92826 35558 00260
04511 82055 39046 34399 08623 19197 55200 05205 01773 25377
12382 43118 54404 19008 08580 42757 37928 23715 69811 48630
22026 98629 20325 99927 67372 45734 38066 01586 49701 73938
93830 13808 76151 24587 97546 77227 79849 88082 00126 15907
03635 66304 24313 85349 08900 60515 22987 57730 70450 89449
88327 61507 43347 67260 60311 17624 12659 96015 07949 39481
62054 52438 81727 88857 22189 73569 60670 49107 00000

11048/9244/7319 kHz, 05-02, 0700/0715/0730 UTC

File 44450 (binary contents)

11164/9164/7617 kHz, 05-02, 1200/1215/1230 UTC

File 44450 (binary contents)

11048/9244/7319 kHz, 06-02, 0700/0710/0720 UTC

11164/9164/7617 kHz, 06-02, 1200/1210/1220 UTC

11166 70202 95142 05051 02239

53691 91619 18862 86946 31092 17230 33995 68243 16808 97343
69072 00455 83368 64591 12221 24090 07707 50599 31314 02223
98725 42527 50407 71414 95651 93608 96190 42732 16880 86133
06652 13804 64000 70310 19131 77842 10681 27439 79955 40590
31103 30848 42852 81094 47638 03015 48304 17286 02448 92316
01067 62266 82695 17850 88003 82262 54062 55752 03447 92176
82251 65464 74267 49674 47161 79373 01833 33740 79434 04275
63054 18646 74044 08078 37697 79271 60628 90215 54151 88699
35244 59177 70849 94042 83240 65604 35510 81430 47926 64397
89404 66085 24730 04259 08834 68442 85535 68115 00991 62242
62879 12862 96413 05526 48697 81852 05207 90480 87316 88584
29213 73082 67364 95016 47339 68439 42293 32946 16205 22814
34213 41896 53319 98234 00701 21939 94957 30644 69296 24901
45936 47519 69351 32388 63468 55902 15939 94053 42293 36781
25494 24573 93253 06752 67886 82731 32527 32903 84596 81093
23681 11869 27705 99661 39759 48965 99360 01989 37558 98375
96428 77160 61315 50299 90000 56101 17967 76015 94455 75626
91180 66792 05764 88695 86348 27585 13703 44283 23713 11447

17707 85326 21842 05615 00999 38170 38604 05179 42718 91954
61868 35296 72731 91385 67088 07875 98788 91314 83968 23664
60751 46579 39406 55698 91540 35531 68884 75023 89519 40694
13515 04644 31993 34989 44902 12633 84500 46959 85046 80338
85595 51221 00000

11166 70202 32154 05052 01599
29058 80534 25224 59659 83954 77002 79908 06798 48299 42288
25594 38855 63346 74424 86318 20328 48134 26396 90941 90213
46161 33254 77484 27460 71378 35814 80377 30961 26928 68130
36564 93798 95084 00919 71375 76401 21814 58129 50142 08322
44408 48848 06456 73314 35615 81720 83032 57398 62720 54083
46113 64602 84997 32982 59331 30065 37981 70286 27997 85193
77991 19058 49723 54551 85352 43387 32340 89183 49734 38871
65034 66046 86067 05919 53641 08241 54459 43085 56042 05733
82547 52602 78591 41250 13741 75312 19522 51048 29768 97181
70253 75213 20985 94578 10558 77219 02876 10515 58497 37397
02174 79030 61096 50028 61059 39904 36670 78730 32854 10897
04749 49838 67662 09686 64536 88455 11383 42704 07848 26870
66550 03062 77449 40024 88416 44730 06752 87718 14733 25191
01786 68246 52657 33721 51400 13134 71226 47521 76623 77690
72839 82850 55117 07039 42172 33378 81670 82328 95978 12927
50664 76805 82203 44797 71446 76438 01856 52157 00000

11048/9244/7319 kHz, 07-02, 0700/0710/0720 UTC

11166 70202 78452 06025 00049 00000 00000 00000 00000

11048/9244/7319 kHz, 03-02, 0700/0715/0730 UTC File 44453 (binary contents)

11164/9164/7617 kHz, 03-02, 1200/1215/1230 UTC File 44453 (binary contents)

11048/9244/7319 kHz, 11-02, 0700/0710/0720 UTC

11164/9164/7617 kHz, 11-02, 1200/1210/1220 UTC

11166 70202 18754 10054 02339
65882 08488 49189 25672 70929 26298 47907 01487 30557 74377
73845 38085 44083 74679 38603 77622 18069 13885 19993 06204
43261 21886 23213 03508 61488 99978 90558 35091 45921 15951
45608 17056 43160 08247 82811 07769 50571 66410 38436 06311
27318 79977 03790 62367 62514 73017 66674 27216 48955 66503
91987 00526 35838 35704 77436 52639 58939 54782 45276 27036
71658 45787 56025 52649 25382 74232 55089 20746 72608 58435
88236 06035 91251 84822 46851 36705 53586 46374 28917 43080
88246 46403 26656 39565 08743 34852 76766 19590 06908 69296
34198 68224 34726 17848 55393 22159 22986 46131 01950 31731
10172 55535 00619 04699 80061 64924 20595 36429 31446 52988
54031 56209 28412 03425 10705 44355 04639 20147 62792 99804
20126 04693 00671 62892 93805 13029 85692 22984 60470 33939
10880 65662 25457 56184 05452 39155 15513 16610 44149 44679
49304 46412 47277 80409 75982 57722 82403 93741 55252 37721
03667 21545 77390 42452 89604 23089 46636 07538 65466 35338
76398 17968 20930 05293 69720 04168 59169 79070 83432 56517
38206 52411 99434 75511 90478 12299 51550 99762 31584 24381
81371 79015 94102 45880 21562 84369 47471 68673 30025 72895
89817 22245 23395 48839 22713 91184 83282 88587 44768 26922
33710 21596 25017 58391 13172 84461 42022 31308 89770 90323
99638 30745 92847 80787 55378 66695 59560 52551 22306 27320
19836 75936 30416 29543 68145 47488 58404 21715 95526 43852
71804 54231 00000

11166 70202 87653 10055 01059
74449 15285 58699 79419 63479 22239 14126 17923 53379 11280
20226 68817 89407 97155 68003 48421 34679 78021 36195 65246
80844 32624 95956 37153 02633 36729 11734 89465 17167 03469
61762 51229 34010 77307 26637 91803 06864 36304 19384 64970

22872 82366 55476 52750 90457 24179 86221 26115 11626 82495
43975 64784 49689 72480 72600 03284 28329 42788 41622 95467
22948 76075 67513 14685 30245 80614 90540 31775 26948 27717
80616 38083 53646 14643 70600 05684 84658 57685 40465 02002
69870 45117 00792 01009 59486 04692 49010 58192 47625 65377
96838 41485 95703 18024 92341 35336 21541 04635 85066 60111
65126 90946 07675 55103 00000

11048/9244/7319 kHz, 12-02, 0700/0715/0730 UTC File 44456 (binary contents)
11164/9164/7617 kHz, 12-02, 1200/1215/1230 UTC File 44456 (binary contents)

11048/9244/7319 kHz, 13-02, 0700/0710/0720 UTC
11164/9164/7617 kHz, 13-02, 1200/1210/1220 UTC
69007 20170 70964 41774 14596 70549 24427 63673 30923 55790
15805 82280 11727 94643 64222 95035 28362 39664 86339 29654
16445 29160 49841 80297 00478 29079 76629 92290 61154 88276
12908 81298 75027 55598 08355 97926 81222 32220 71554 73655
54897 57675 93899 09072 92122 53013 59127 90315 35875 69522
80690 44687 97836 16461 34151 71358 55673 66224 76778 08113
30501 60397 71538 20058 74203 65112 57674 21252 21309 49176
35049 65177 85098 83374 54442 64996 02652 84413 31004 29533
58487 51926 23026 25910 41524 71979 43245 04793 15016 85527
94841 49155 04170 45239 49345 32533 31125 09149 08611 97674
51980 44549 18071 91545 75568 40589 23445 17619 68643 52993
88090 91386 77191 29344 13187 57115 00000

11166 70202 36851 12058 02239
34827 77706 47677 54617 95875 65544 08717 13492 80790 53662
21228 06659 54658 38077 93205 88619 37624 32679 34893 89570
50566 66341 88095 80728 35473 53571 23176 78029 67717 24629
33402 32660 02415 26059 81356 81822 22045 27569 77077 58209
77541 96195 92631 81594 40012 23686 42792 80994 05301 18049
86522 20836 18569 95198 28951 29566 11077 31631 28514 54131
66369 64080 38971 88784 58031 47076 40960 51642 26226 04360
42804 07430 85182 35072 55229 59859 78825 60678 69709 62072
26747 23539 95101 18587 27687 73092 32277 77187 12727 00561
91421 34190 65374 08132 81703 01526 50737 23560 27991 09083
20955 96098 94310 40729 89100 34734 18724 27475 88714 74628
89325 46196 61180 82731 16038 97360 38115 38489 77896 60200
10965 50581 50508 48760 05005 95639 43373 17260 99904 89871
01763 88215 64082 29533 52826 01750 94998 61184 00634 09529
82606 67672 99821 61773 38129 80769 62551 60759 55356 56413
78443 79277 96649 73477 52198 67459 20843 42020 88569 96421
95219 31938 79401 12171 58768 57970 72391 98191 28888 81989
26287 70167 68740 18510 82192 51270 57434 54360 05675 01446
30230 18456 79365 99151 80950 62597 50726 98965 43785 39254
64690 13512 96678 87245 35846 93144 53487 61281 39859 01822
37095 66277 28828 12602 50668 82400 00243 71218 89249 91772
74253 01147 58866 42768 58920 48619 95348 12851 08142 91020
65419 58221 00000

11048/9244/7319 kHz, 14-02, 0700/0710/0720 UTC
11166 70202 79465 14075 00049 00000 00000 00000 00000

11048/9244/7319 kHz, 17-02, 0700/0715/0730 UTC File 44459 (binary contents)
11164/9164/7617 kHz, 17-02, 1200/1215/1230 UTC File 44459 (binary contents)

11048/9244/7319 kHz, 18-02, 0700/0710/0720 UTC
11164/9164/7617 kHz, 18-02, 1200/1210/1220 UTC
11166 70202 85631 17060 01939
01543 10018 62970 25174 71185 40096 23362 80570 32444 53226
50468 59590 26148 20536 09754 13760 05901 64885 64817 82519
51197 70262 43099 15554 47849 27607 83732 05775 21614 46734

15957 75125 35992 89074 41526 80411 90125 00895 19576 31337
77722 51690 77351 37933 92962 07450 95261 29573 94307 93468
39691 12754 62162 26392 41990 59832 11319 20194 47105 45911
44123 95767 80274 76056 55308 48811 05220 70027 24411 55707
72288 96722 56741 22078 79969 75516 58811 03696 98226 86674
59177 54460 27089 58048 10635 81094 88925 20212 34693 09285
77857 47259 94274 90918 14730 25423 05572 07136 81089 16714
25007 46857 30608 09772 72223 65500 01377 75110 75048 53547
77522 66937 47371 69672 73580 38752 35861 18100 40046 64895
96477 74895 13574 85246 86702 92867 60226 15254 84427 39767
85235 88475 69439 49477 07706 23842 28452 90881 23689 34801
69592 84092 06088 22547 57315 18732 14797 20527 03648 53946
15554 82394 76737 04857 30903 30613 12608 45109 71733 07890
41081 80239 22823 98631 61799 71514 80815 12602 31275 14957
68087 47981 46924 05232 70920 75999 38996 39078 75435 14347
06367 37989 99714 81535 57101 94808 45555 49410 39750 73948
18282 60191 00000

11166 70202 42397 17061 01959
24754 52367 07717 71466 53292 43058 46367 16777 70512 34344
88013 47480 18314 54458 42446 30666 97849 12649 48368 97129
24495 67804 85254 44416 61829 92093 60308 15355 33055 21814
31453 56766 33295 12632 52299 88041 91206 41412 50015 34260
53356 21811 72052 03553 89771 25826 62653 13391 44137 28492
55079 95489 77047 17914 90501 34006 75765 37806 99491 16729
28927 54755 07042 03950 89616 67365 47063 44686 75264 99486
97287 94964 77800 44723 70528 17842 82491 54384 23211 69841
18913 86089 67141 03518 92485 55203 95422 40811 70017 56287
58477 96896 17687 46762 51100 59202 14898 09965 96488 51298
92465 39780 38174 36332 68541 14056 75811 39701 80738 48960
05748 95657 37886 51493 52316 47518 39839 12328 00786 56177
38811 06168 67915 96615 40629 91816 71038 47072 69380 29138
81618 00592 43871 55102 74222 53611 39334 86094 06834 51297
32842 38691 93453 94296 55829 86067 54927 36610 02203 92253
58923 29261 65434 91390 85021 89457 03115 04212 75826 99920
52370 08908 60057 68090 44606 08576 58547 99867 93000 62439
09093 67606 51190 73027 71083 77023 66580 46490 95860 62725
76731 68258 73728 67034 22239 61210 93572 81806 74563 18555
76001 57921 02232 61193 00000

11048/9244/7319 kHz, 19-02, 0700/0715/0730 UTC File 44462 (binary contents)
11164/9164/7617 kHz, 19-02, 1200/1215/1230 UTC File 44462 (binary contents)

11048/9244/7319 kHz, 20-02, 0700/0710/0720 UTC
11164/9164/7617 kHz, 20-02, 1200/1210/1220 UTC
11166 70202 05473 19063 00579
42039 71142 88746 64475 42997 66774 25302 60236 91704 84713
11535 96627 12591 47774 39805 01927 54451 11918 24855 99535
57700 71276 72678 71053 63517 72651 96747 56178 07085 50417
36292 62854 62082 17775 56320 86113 28648 75293 34059 59047
81980 22667 61518 84342 23770 84640 18839 19824 03658 87028
98149 16432 02893 43765 82581 63055 00000

11166 70202 35964 19064 02759
48713 57632 60789 67646 73615 68554 27032 54977 80618 04053
50605 21495 47776 69223 06073 60499 18998 45694 87010 41992
29920 14747 90327 78033 53407 78572 91307 41699 13122 21862
20314 94350 38593 80916 77087 00882 60235 12463 43587 37655
67736 79369 81290 22786 80266 95435 23920 23490 01943 96458
01504 20162 60983 29748 56731 31881 55988 79299 39523 33034
57790 68782 90767 15734 40308 09562 51151 77729 38840 85919
56028 40488 59239 94675 02258 27147 86402 81382 97953 55009
65514 40298 31081 22283 54483 70312 17844 93741 71004 04019

16784 15004 82690 52113 19549 10107 13707 30324 54257 42072
66349 61032 62391 41148 80992 66805 35175 30413 82871 97996
20348 03432 89095 61624 35300 33647 74373 43703 47481 20198
18854 42220 08039 99854 86540 52948 49616 79751 07706 75270
84243 70607 63747 30219 62272 25121 97927 07905 78270 11236
00423 86527 34842 74948 41130 90162 00281 72356 48667 77495
21021 75638 58996 78706 74798 82640 82120 22690 75486 84764
60278 21783 65514 72845 16081 06213 56830 85706 14035 25432
06338 31078 83868 58534 36735 33559 79125 00948 38707 89327
69443 19577 15404 32271 89955 93592 55138 41232 96275 83054
43243 43052 98464 92553 49032 91106 72459 22058 48789 24015
72367 22158 70732 34213 92082 95889 72890 01078 49652 14330
89823 68287 92841 38149 09134 70110 49317 62304 63692 36309
69909 26071 50529 30334 38365 55588 12325 00526 46054 31111
42433 48969 55044 96166 99370 47730 98003 50778 41733 57132
88342 95970 19440 25778 39065 21725 82277 76988 13729 55583
91659 11365 57991 14082 46551 80145 85143 24203 59482 09050
14098 07042 43608 77304 83243 40853 96733 81527 88629 45698
93251 39160 19892 64273 00000

11048/9244/7319 kHz, 21-02, 0700/0710/0720 UTC

11166 70202 15923 21086 00049 00000 00000 00000 00000

11048/9244/7319 kHz, 24-02, 0700/0715/0730 UTC

File 44465 (binary contents)

11164/9164/7617 kHz, 24-02, 1200/1215/1230 UTC

File 44465 (binary contents)

11048/9244/7319 kHz, 25-02, 0700/0710/0720 UTC

11164/9164/7617 kHz, 25-02, 1200/1210/1220 UTC

11166 70202 96742 24066 01539
50866 77598 27258 61339 14586 89671 07634 26460 72300 18394
49945 21257 11227 81369 24807 86775 51400 27870 99053 34598
12829 43365 02160 97725 63611 58845 16595 01073 66192 50864
21784 00041 63952 43242 46370 60585 75323 46365 08475 79232
87598 95022 48618 66471 67649 70713 85012 41961 31718 19366
45910 14995 41477 00404 58677 48653 18558 28097 00304 31086
94704 91136 39024 02367 39782 61367 21737 10338 34782 27622
86912 93911 82054 15585 07679 17242 69921 79635 94771 03215
33878 77594 14029 39690 81560 64322 98129 56938 73675 65103
57260 99706 78069 14750 18386 42345 39132 73367 47827 20446
29717 54717 36829 77417 77775 28115 54802 49436 84876 79803
99921 37223 78815 44731 01786 38066 67489 44679 55810 36535
86229 93681 94046 77331 55776 56655 22111 68695 93094 72199
76923 89825 42197 75491 84923 00735 17181 82210 25473 77982
74660 19448 29112 24736 57779 14513 65370 28568 78989 77595
99820 66151 00000

11166 70202 23457 24067 01759

37367 35038 76405 78213 36652 73523 94653 76209 48586 83881
04493 38582 41081 23235 54295 96037 86876 26346 48220 96103
32281 43086 02311 27369 37105 31869 80376 42644 09230 26214
95596 10741 82236 16653 88791 51546 09538 15152 19279 34087
73456 94240 29274 42274 32682 18038 67764 38005 56537 07357
84786 76318 19508 06081 32053 52287 54454 40994 30873 84338
87961 92264 93283 63687 06251 16748 07346 24565 25092 91316
22543 14946 62162 68400 96206 72443 35284 60911 86921 35068
34976 98760 05834 41540 44758 24137 61815 00841 07653 17748
61406 35683 62307 73201 49483 29608 97191 61725 01587 32365
96290 54398 03849 03297 74748 94093 81449 97389 27879 34315
61557 23689 42004 87117 81663 30771 40541 47292 79280 98943
63778 85016 23915 43882 05790 24139 77268 61372 56901 48303
92595 67854 25174 02091 89159 16460 35325 79364 62726 93221
28520 16019 18028 23143 11497 29299 34138 40824 28425 70896
98693 05326 53972 86003 71904 63953 30994 95504 66278 94661

01286 43510 53017 81752 02842 77397 31003 04571 32062 52570
19319 43864 94325 67173 00000

11048/9244/7319 kHz, 26-02, 0700/0715/0730 UTC File 44468 (binary contents)
11164/9164/7617 kHz, 26-02, 1200/1215/1230 UTC File 44468 (binary contents)

11048/9244/7319 kHz, 27-02, 0700/0710/0720 UTC
11164/9164/7617 kHz, 27-02, 1200/1210/1220 UTC

11166 70202 16582 26069 01639
62670 96038 70713 55625 24828 53737 36220 80648 99394 83884
23831 54517 05131 81141 86110 11413 44752 93147 06546 70221
94891 89072 36046 85748 05919 77483 76011 32844 66317 46960
75179 59373 11294 27910 32429 68979 80317 98999 22722 19556
53270 86670 88384 48394 19901 31138 62905 59918 62262 17353
19436 36955 54828 94320 61193 61488 11975 31256 95942 55807
37506 83979 61743 80011 55927 70007 96159 46805 30136 75777
66114 39499 95230 44430 00569 44191 63117 17603 93231 32032
77607 29660 67464 52529 24690 77806 20594 23824 27666 16512
89792 30880 81836 49696 06739 67516 08425 19099 33232 83229
32428 12281 94949 20738 14083 38697 55536 55177 88625 47261
98217 70909 94047 83865 07115 36854 91525 12271 65455 66297
08207 46812 12870 72111 57060 70368 28953 53318 13450 36009
35284 73946 53146 75782 33092 20096 81443 65062 18754 46182
08082 15902 44308 46262 47654 97828 15180 11400 50194 09518
42299 59013 91621 49782 90797 45114 78741 61315 92483 95415
48483 69161 00000

11166 70202 35864 26070 01859
41698 68841 85884 51474 75080 65265 71329 74145 59697 14883
03144 07207 71819 93836 11031 19178 29014 39851 08011 72104
01255 76500 55476 65597 24854 51623 99048 34874 86414 25847
54927 01236 68991 72142 51410 98436 77648 72346 55281 23354
86595 21603 37743 84423 75094 76647 59595 46259 44324 08877
80332 93910 32389 48139 20859 65174 69657 28191 34503 24421
41624 69747 66018 76353 51479 62064 03265 43156 99563 28999
51249 53448 21920 90478 83216 16498 55100 55316 48481 80126
19439 06314 41686 95743 37967 63581 63169 38941 33160 37026
25136 59102 68700 03933 83318 56442 28457 72579 98809 09936
49849 17827 59759 04551 53795 99621 17627 31249 38435 00338
17667 58168 28808 41916 28339 96436 99666 68713 99337 09052
13640 07022 02919 36270 41897 37180 38213 35926 59532 39223
03217 62142 32836 97999 64148 30850 40654 78707 76852 45561
97010 08770 39943 81838 67193 26999 84371 53889 94477 85983
29109 11727 79690 18634 57634 42337 80782 04828 94896 73286
24623 99090 89471 02206 48171 05246 30566 00595 11246 08976
54581 65377 48051 04234 20913 16651 49672 74442 61674 65060
94702 14404 35039 70183 00000

11048/9244/7319 kHz, 28-02, 0700/0710/0720 UTC
11166 70202 91586 28037 00049 00000 00000 00000 00000

Link 80214

19237/14979/12205 kHz, 06-02, 1330/1340/1350 UTC
11166 80214 19763 05076 00049 00000 00000 00000 00000 (wrong date in header)

19237/14979/12205 kHz, 13-02, 1330/1340/1350 UTC
11166 80214 89562 12066 00049 00000 00000 00000 00000 (wrong date in header)

19237/14979/12205 kHz, 20-02, 1330/1340/1350 UTC
11166 80214 24863 20078 00049 00000 00000 00000 00000

19237/14979/12205 kHz, 27-02, 1330/1340/1350 UTC
11166 80214 95836 27082 00049 00000 00000 00000 00000

F06a

10169/9328/8024 kHz, 01-02, 0700/0715/0730 UTC File 44038 (binary contents)

13997/15627/17529 kHz, 05-02/06-02, 0600/0615/0630 UTC File 14428 (binary contents)
13997/15627/17529 kHz, 12-02/13-02, 0600/0615/0630 UTC File 42429 (binary contents)
13997/15627/17529 kHz, 19-02/20-02, 0600/0615/0630 UTC File 44530 (binary contents)
13997/15627/17529 kHz, 26-02/27-02, 0600/0615/0630 UTC File 84431 (binary contents)

6844/5375/4487 kHz, 28-02, 2000/2015/2030 UTC File 04439 (2525 bytes)
12154/11063/10218 kHz, 01-03, 0700/0715/0730 UTC File 04439 (binary contents)

12211/10576/8075 kHz, 11-02, 1700/1715/1730 UTC Active
12211/10576/8075 kHz, 12-02, 1700/1715/1730 UTC File 44413 (789 bytes) empty text header and
File 44414 (1865 bytes) empty text header

12211/10576/8075 kHz, 13-02/14-02, 1700/1715/1730 UTC File 44415 (2048 bytes) empty text header and
File 44416 (2048 bytes) empty text header

12211/10576/8075 kHz, 19-02, 1700/1715/1730 UTC **F06** 11100 00000 24819 18014 00049 48516 24853 17534 00000

12211/10576/8075 kHz, 20-02, 1700/1715/1730 UTC File 44418 (2048 bytes) empty text header and
File 44419 (2048 bytes) empty text header

12211/10576/8075 kHz, 21-02, 1700/1715/1730 UTC File 44418 (2048 bytes) empty text header and
File 44419 (2048 bytes) empty text header. Wrong 500Hz shift

12211/10576/8075 kHz, 25-02/26-02, 1700/1715/1730 UTC File 44420 (2121 bytes) empty text header and
File 44421 (2017 bytes) empty text header

12211/10576/8075 kHz, 27-02, 1700/1715/1730 UTC **F06** 11100 00000 91452 26058 00049 31578 20584 75834 00000
12211/10576/8075 kHz, 28-02, 1700/1715/1730 UTC **F06** 11100 00000 19276 27076 00049 95182 35468 96314 00000

F07

8152 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2100 UTC
7934 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2110 UTC
7694 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2120 UTC
7454 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2130 UTC
6877 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2140 UTC
5437 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02, 2150 UTC

HM01 - Dirección General de Inteligencia

Still silent.

M42

16156 kHz, 06-02, 1300 UTC, FSK CW
UAL: MFA Moscow wkg UAG: Russian embassy Havana.
UAL UAL UAL K followed by operator chat. No message.

QSL1 K

06226 52388 51941 92384 27733 93884 15463 21343 85031 21717
55382 94929 73991 27033 61394 06424 60012 06819 43403 05222
64461 14868 80123 08597 67239 93319 70510 27622 80127 82562
10967 48119 33683 06224 46198 25607 11264 62334 55174 62352
49602 11870 93811 81255 55827 83716 64758 35081 23043 23414
47258 97249 30193 80446 37548 67971 48420 35984 43786 74629
22622 29431 12580 73188 22250 31175 86477 04393 66042 84969
09602 90683 50353 68369 23614 84774 35799 44681 21197 05829
71882 04855 49255 24169 64298 22743 78990 80462 14597 72194
85081 50313 86904 79382 01114 90202 81380 08842 43479 25717
19094 06620 20914 67994 68022 49008 71871 69339 64846 70263
96913 53921 12235 67781 78310 84522 56301 08145 04028 51252
73929 82489 38308 93169 24647 84619 06015 88755 46738 10322
82927 76172 02279 01302 09196 89243 00791 82193 68113 20094
56190 64063 97413 44386 56733 12865 25280 70096 52625 06269
48241 95759 91006 27307 93150 89123 52975 68273 30443 22154
72364 43318 30837 23326 40927 33163 82689 33128 29651 10393
12180 73743 80863 18745 73514 68812 50825 04840 01335 74237
07508 25794 42527 05963 13228 81145 09606 75662 46828 42540
22873 70270 45111 79595 33532 36306 68180 05413 44946 54911
18411 90137 74226 18560 67709 16035 21346 45352 72768 72502
37956 91854 82996 14462 13095 50406 70805 32569 17984 41838
38958 08676 77092 39537 84644 54982 57+52 85803 24994 60325
94830 86415 13689 92020 94717 94372 03388 26721 82352 18720
33637 08712 86938 19421 48951 59077 81465 74193 76764 84200
18909 28261 19927 57000 32199 62950 43443 69368 90148 44072
60134 79235 26520 36028 44914 00698 84433 92575 32368 10656
43288 60192 77313 70388 20388 54970 83046 85506 64471 98992
26943 52727 83313 27109 38113 66897 72605 00067 06797 86706
38282 84926 30181 82540 29504 88696 24333 14887 24465 56126
56932 16751 36221 67608 80494 78516 30725 98100 70767 58679
74259 23033 99990 68899 52447 82117 99704 06810 28035 37008
92808 35012 29630 83747 99526 29703 88585 05933 46999 47369
66216 79543 37176 82983 38532 65370 52691 18143 30681 49971
05414 82586 18288 21108 57368 77528 37870 88588 68704 34247
73525 86457 52394 06362 12081 17474 40375 19244 83879 25810
90782 24988 31403 08909 91008 36392 72913 04443 36223 38376
53301 13305 88093 00283 99327 44572 43353 37488 21453 93383
66924 95776 29424 87659 69282 56896 53834 64610 32743 88749
90811 62965 16365 88648 12054 41866 94147 93077 07371

SK

QSA 4 QTC 1 K

81069 05051 20235 72476 39902 56299 00477 86527 38748 15252

27727 29680 11165 71447 33462 53125 57226 20832 50309 59534
62920 31519 84631 84694 02082 22153 52086 94083 13010 13808
80872 17824 67002 41358 12330 72457 70954 35259 53596 42967
71241 09677 62000 23493 51044 17903 65883 40180 38332 60985
51526 04593 66670 60533 70887 71121 56046 31605 49821 96849
05913 16640 01477 27285 17608 66359 74558 56412 88376 78582
+1136 34500 44148 30880 53698 22100 03278 68026 26119 13670
88426 30160 18258 79271 28779 32617 28839 97763 19780 33356
26335 79942 32574 48915 72520 05059 90343 04849 18384 19152
53727 31571 27100 68635 82506 41545 03735 67580 65754 48758
36374 22117 37623 16428 78371 60415 20965 43852 26393 41659
65975 28370 73951 42470 76040 63356 45115 44200 37982 58181
38081 69550 98879 91087 33301 41943 56664 30915 45839 66073
56675 88603 26664 53106 11349 84427 42549 38929 85254 41881
89270 68910 12636 44174 17804 47604 39668 14247 78183 76824
08607 04273 10738 30546 26019 05558 39364 40054 82283 14801
46551 87781 14552 17628 34820 33286 30345 75356 04284 19781
33992 25913 01005 34680 23082 34858 15839 22579 47126 57436
38462 74112 45612 97603 96252 39138 07642 74968 32730 37664
20339 35571 05224 66971 98211 67458 06484 28367 10663 06976
39883 22003 49829 46715 02940 83194 05943 81073 58816 58689
42397 50332 00499 46305 87707 69217 37340 46388 86559 50870
58648 98529 77116 62159 54024 01969 86791 71287 95109 43122
63666 73609 08465 78686 85732 06620 94233 47742 15162 90034
70307 11297 89774 51907 46655 42706 68914 26718 59523 17420
75894 36375 20185 75472 04215 90062 57928 55165 79743 63867
61964 21386 96034 46144 51959 36989 64982 59520 31857 50674
49993 95517 06697 99819 73865 22696 67103 51683 18566 54273
71140 31422 59080 86160 78215 10373 95546 41337 14727 53012
96829 81515 76127 46058 09756 72027 95110 58128 81167 10874
30592 03405 55005 57863 57181 07745 99590 24796 59830 00665
61307 12614 63341 81643 89866 06463 51429 34176 02335 64604
55024 86025 78125 62108 14493 39098 02133 75272 45476 17384
98194 17700 63034 06409 20080 63973 43770 82616 92180 21867
30634 56043 17099 39031 10088 75395 92312 55082 16328 66890
03118 35047 42235 08783 84020 45087 61762 61528 65780 56451
93423 04101 50277 88578 59592 49225 80407 27311 21286 36045
97180 79131 93124 23673 01210 47380 68155 34053 60790

CFM QRQ 75 QBN K
BK K
QSL 1 K
QRZ QDG 2 QSA 4 K
NIL K
SK

M42b

19101 kHz, 01-02, 0805 UTC, CW + FSK 50/500

F5KAE (incomplete callsign)
RPT K
QTC1 ZZC ZVP K

RYYRYR RYYRYR RYYRYR RYYRYR RYYRYR

189 100 1 0800 8374=
189 100 1 0800 8374=
63468 50319 48759 38303 47992 41963 15881 83116 37423 55187
54443 60759 28426 70912 84946 40160 83549 02999 81743 42633
03798 36862 86550 48457 36100 64220 52344 19215 42319 55792
72803 98731 99535 16530 29260 31713 00500 89883 19494 12168
31779 00273 59310 31941 47106 52980 71168 26154 42585 53777
=50=

83794 37619 83720 74881 23683 15682 69630 28703 58820 81772
81741 08988 36791 03093 54238 24013 40616 01491 52824 14736
18054 19011 57118 91162 21525 16289 81086 49662 71904 91809
09079 88509 50258 11079 46068 45128 15332 41303 47362 47546
40466 22447 47270 63213 77014 45311 25163 01867 90499 47282
=100=
-0808

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K
RPT K
K
R 135 08082 K
NIL SK

19101 kHz, 02-02, 0801 UTC, CW + FSK 50/500

S5W8 S5W8 S5W8 DE FLH3

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

190 100 2 0755 9346=
38532 43373 57580 81249 56432 57124 57202 44591 16164 34680
75618 08713 28049 31500 11758038418 78451 26009 32858 90961
28413 44396 28683 82102 15690 70166 48409 95656 47407 90910
42523 89316 17687 87442 00160 88109 34318 89830 64922 62018
43882 96028 17448 34917 17101 47660 42530 92996 72326 45238
=50=
95717 07463 61544 83873 64718 45581 38829 53621 10284 86883
34006 86345 49322 40722 85233 71270 70672 26962 62397 55747
15238 72199 37106 64450 63504 27914 82905 79081 14054 61818
19161 50961 34346 01501 82589 97008 01919 18924 07831 43416
50038 94594 51772 68252 65160 40481 25128 21592 95374 73491
=100=
-0805

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
K

19101 kHz, 03-02, 0805 UTC, CW + FSK 50/500

5NT8 5NT8 5NT8 DE OJM (incomplete callsign)

QSA4 QSA? K

OK ZZC ZVP K

BK BK QRV K

RPT K

RPT K

RPT K

RPT K

RPT K

RPT K

RPT K

RPT PBL ZTH K

RPT PBL ZTH K

RPT PBL ZTH K

RPT BPL ZTH K

R 138 0811 K

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRYRY

137 100 03 0800 7853=
137 100 03 0800 7853=
137 100 03 0800 7853=
51846 80294 08642 70613 26579 51025 07991 57308 90867 05966
30389 45149 65656 93345 34522 44763 51309 34641 62848 46390
82656 82178 45995 04268 34331 37766 76061 96304 36127 64283
23756 88576 37243 63995 55367 05245 77942 75334 96142 60761
43672 60704 27333 61096 50264 75643 89648 80070 72907 36037
=50=
68017 68234 53337 44041 21522 35050 02925 88303 77630 47463
88532 98914 03815 39481 77840 00976 37602 11104 70871 30298
39733 86595 34294 40773 24321 75317 37612 91862 39778 12111
65817 98252 90971 16422 77345 27950 01582 20377 76764 99253
72108 84891 81442 96223 91287 89825 29952 85686 06740 93937
=100=
-0821

CFM NIL QRU? K
SK

19101 kHz, 04-02, 0801 UTC, CW + FSK 50/500

K9M1 K9M1 K9M (incomplete callsign)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

191 100 4 0755 8239=
04025 41606 79470 63232 34539 18220 44667 40000 89236 41964
42015 02546 89345 20820 82925 67675 23937 65929 82816 65747
94919 79658 38233 91805 70783 44838 74495 36611 55190 48320
92360 62457 42283 94985 33262 41285 49775 74831 77518 93281
93440 88328 86786 57051 12064 85926 04168 34868 97485 03420
=50=
55364096181 90516 54253 04063 79811 97745 35145 24595 34150
47643 13205 41437 96422 97666 19336 59314 63715 45880 79814
02178 90925 79501 18689 35615 88561 97326 31846 41511 82142
17790 38004 19363 91405 24605 98735 94493 52152 89315 63923
47937 44737 24393 76701 98242 00795 05218 15380 23662 03895
=100=
-0804

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
K
R 835 0808 K
NIL SK

19101 kHz, 05-02, 0805 UTC, CW + FSK 50/500

FP17 FP17 FP17 DE PR5M PR5N K
OK ZZC ZVP K
BK BK QRV K
QRV K
K
R 131 810 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

192 100 5 0800 6687=
64881 56250 10940 40252 61930 55684 86097 14551 56460 41088
54160 31501 10919 84659 91539 79280 15621 66428 73867 07182
37583 58476 60135 49383 15993 69297 72723 29189 95928 46976

30320 60119 18402 94222 11923 79196 72906 98629 75915 20162
49531 03014 98688 49703 67961 60386 84537 84295 88448 48710
=50=
20018 18848 62238 11460 94059 00991 22125 13399 35450 47283
47775 87509 82124 63923 85043 18056 59628 11663 56588 96480
98613 14319 06160 97375 64312 42180 17198 60391 21957 05632
32773 11621 84813 67419 76091 01664 12809 21206 38030 51913
01910 21119 72162 20540 19032 29420 92105 32663 84792 12278
=100=
-0814

RPT K
CFM NIL QRU? K
SK

19101 kHz, 06-02, 0800 UTC, CW + FSK 50/500

Very weak signal. Operator chat unreadable. RTTY lunreadable.

19101kHz, 07-02, 0809 UTC, CW

MG4O MG4O MG4O DE AE2N AE2N K
MG4O MG4O MG4O DE AE2N AE2N K
QTC1 ZZC ZVP K
RPT K
QSA1 = = NW QSY 48498 QSY 48498 K
MG4O MG4O MG4O DE AE2N AE2N K
QSA1 NO = = NW QSY 58598 QSY 58598 QSY 58598 K
QSA3 QSA? K
RPT K
RPT K
RPT K
QTC1 ZZC ZVP K
RPT K
RPT K
AS 5 K
RPT K
RPT K
QRV K
R172 0821 K
QTC1 ZZC ZVP K
OK ZTH K
R 194 100 07 0800 9986 K
P K
RPT K
= = R 194 10 = = 119 420 07 0800 9987 K
CFM NIL QRU? K
SK

19101 kHz, 08-02, 0801 UTC, CW + FSK 50/500

KE9Z KE9 (incomplete callsigns)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

195 100 8 0755 7309=
63269 77143 88009 15398 88035 13081 16435 52286 58651 89630
41047 57076 38493 97525 49405 70633 67761 44161 92031 53817
67629 19072 35902 26655 74798 87198 85767 68667 82392 73139
62334 13142 14981 66143 04733 12025 80035 67171 90650 03608
10286 82874 67780 24733 19596 58930 77207 88997 67435 47143
=50=
45494 06499 49881 67178 83526 28634 99938 53614 77366 44551
33507 32897 20623 49823 39085 83930 18688 51233 96550 91993
44353 83809 03761 62487 98355 36755 09236 74056 97986 04865
76311 84971 68183 75992 50049 64363 03956 24113 27158 75364

82586 66314 62777 49372 71109 97456 83853 63115 59748 40787
=100=
-0804

RPT K
CFM QRU? K
OK ZZC ZVP K
BK QRV K
RPT K (8x)
K
R 142 0810 K
NIL SK

19101 kHz, 09-02, 0805 UTC, CW + FSK 50/500

G1ZE G1ZE G1ZE DE FA3C FA
QTC
RPT K
QTC1 ZZC ZVP K

RYRYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
196 100 9 0800 7887=
14747 28519 64537 19529 97703 17657 88175 89352 44607 53905
82472 89166 84521 02358 51243 11702 28678 05741 34806 90947
72918 22993 34311 12806 16296 91987 67958 98099 54316 62845
68187 97087 05410 21050 20653 22608 38669 65884 68920 17142
36491 82564 41507 48227 60573 59283 43103 48706 36786 42777
=50=
45993 47267 70183 62334 08097 94163 00801 34053 84314 88222
34263 95931 43353 68076 37088 79761 11537 03406 74109 77076
62362 15101 41516 42194 98011 28027 68194 52074 33705 35756
14415 55557 23554 21840 29390 83570 38472 25972 72627 24810
83045 02070 00049 48446 91155 77280 28622 14911 73397 34690
=100=
-0810

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K (15x)
K
R 182 0819 K
NIL SK K

19101 kHz, 10-02, 0801 UTC, CW + FSK 50/500

MR4V MR4V M
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
197 100 10 0755 8293=
68060 82387 96695 57582 29990 23201 98194 10868 56415 98476
61880 82624 71281 81197 94358 17654 54752 95458 84922 22531
54600 61949 59324 51217 01193 62537 78459 61257 10762 33556
47789 04389 07864 92539 47933 37994 55433 35765 98277 68931
98801 44035 70033 66154 64491 17113 52152 49874 56589 84719
=50=
18459 79692 16441 89178 72420 53624 65402 39128 33498 88997
98131 40602 08958 10854 80850 83094 98221 56319 74769 89184
68565 74093 68390 66998 06272 37147 82658 32441 70101 16827
62302 73999 79254 08654 94507 83566 54884 06727 91618 03680
39709 68435 08917 63557 24807 62350 58928 00644 37450 11586
=100=
-0804\$

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
K
R 84 0808 K
NIL SK
NIL SK

19101 kHz, 11-02, 0806 UTC, CW + FSK 50/500

KA9M KA9
QSA3 QSA? K
OK ZZC ZVP K
BK BK QRV K
RPT K
RPT K
RPT K
RPT K
RPT K
K
R 19 0810 K
QTC1 ZZC ZVP K
SLD K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
198 100 11 0800 8154=
87091 46916 41474 53725 09480 60567 95416 65479 33070 63557
18776 93641 35899 47616 54171 34691 42939 52439 58640 50721
67577 71352 49462 53799 84740 70374 45322 09536 70616 08197
07482 67496 84116 62717 39712 52171 07167 33572 37878 63256
01772 23650 05912 76723 97004 06934 63552 97762 98099 46510
=50=
02722 44137 71229 51649 14933 07978 97081 54688 55189 25219
22315 64471 28949 21389 34674 59980 82245 92930 17022 94555
58135 59547 54908 61167 37459 85542 01014 88532 40952 72608
35771 88834 06529 10875 23619 01163 11989 26901 30334 71599
00094 31667 17905 04394 44824 31708 00941 49225 14406 92143
=100=
-0814

CFM NIL QRU? K
SK

19101 kHz, 12-02, 0802 UTC, CW + FSK 50/500

4XN6 4XN
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
199 100 12 0755 9234=
199 100 12 0755 9234=
33006 98000 24323 20692 70668 11971 20496 58460 70702 23582
97461 87484 52612 27265 53526 96946 34392 67105 57818 25761
21795 39325 97126 38360 11794 83171 32321 05049 83898 45691
90561 96414 66818 93527 60341 18699 88037 14387 94577 59003
88512 64233 23228 95223 24773 63275 77420 81416 75199 90435
=50=
05993 26873 36079 26269 83695 70533 03913 46925 45165 28364
44905 69742 16628 16608 14542 07055 69071 74058 38410 42604
63018 24749 20947 24131 18969 92353 71874 61855 00516 43066
19607 51008 37936 60767 26997 64162 90162 93496 24347 20998
94583 44973 17355 76037 68322 24425 43991 54841 18065 75189
=100=
-0806

CFM NIL QRU? K
OK ZCZ ZVP K
BK QRV K
K K
R 657 0810 K
NIL SK

19101 kHz, 13-02, 0807 UTC. CW + FSK 50/500

PVS0 PVS9 PVS9 DE DVY7 DVY7 K
RPT K
PVS0 PVS9 PVS9 DE DVY7 DVY7 K
PVS0 PVS9 PVS9 DE DVY7 DVY7 K
QTC1 ZCZ ZVP K

RYYRYR RYYRYR RYYRYR RYYRYR RYYRYR

200 100 13 0800 6556=
29727 68218 11965 24483 15542 80561 01295 95336 45931 56714
05289 66114 41560 16569 40636 28080 08726 89490 86462 49825
06669 26062 24299 07868 04442 71175 79356 27245 66907 02688
51517 70090 58983 73227 70681 59327 49092 88387 56544 84926
79658 92754 69570 87835 68134 84876 66653 64639 21880 08791
=50=
57180 78686 34219 87642 58568 66857 10421 70930 56409 60626
09467 54639 35287 37940 90762 64258 87745 79933 16036 98392
60438 81226 02607 17810 14837 73722 18463 54579 30190 81774
90874 76749 17973 32082 91201 21490 80067 65451 58846 27047
25945 00287 04722 77933 00384 92408 14329 16794 70261 65878
=100=
-0814

CFM NIL QRU? K
OK ZCZ ZVP K
BK BK QRV K
K
R 93 0816 K
NIL K
SK

19101 kHz, 14-02, 0800 UTC, CW + FSK 50/500

CB6R CB6R
QTC1 ZCZ ZVP K

RYYRYR RYYRYR RYYRYR RYYRYR RYYRYR

201 100 14 0755 8732=
91414 76187 40850 21519 83881 75803 39572 17855 89866 80832
74772 04986 34781 91006 88866 46620 01671 88588 41231 43263
14390 93956 18975 05585 42665 92041 55584 87775 58357 07265
00988 58372 43793 19306 86613 31089 68956 02632 89570 00031
81954 20840 72090 99454 66315 32657 94901 04338 43162 35373
=50=
74927 47111 93703 85719 88114 64191 48750 52784 27097 39333
41082 66687 94590 76264 89488 12065 32632 02880 59428 69486
17755 78975 60746 04802 08260 23093 80277 04592 06402 02702
10039 38457 73922 62611 02954 25618 82018 94659 33445 60941
05520 96757 56169 97553 60604 38422 84938 95672 34070 96862
=100=
-0803

CFM NIL QRU? K
OK ZCZ ZVP K
BK QRV K
K

R 148 0807 K
NIL SK

19101 kHz, 15-02, 0803 UTC, CW + FSK 50/500

MYaV5
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
202 100 15 0800 6243=

AS2K
AS2K
AS2K

17960 85368 35828 57339 02697 50031 67073 05033 08191 16841
96366 21846 92300 90716 34463 57161 45993 51646 53803 09683
21767 22450 79768 14190 74585 18676 99987 82127 11890 82601
69817 32899 61061 04419 35226 42804 16490 32214 40566 66220
36780 32415 92132 38682 02270 06948 10688 81232 72617 04774
=50=
99839 93500 51029 02225 62925 85164 67341 45495 45869 96111
97582 07915 39284 33104 76953 07128 41891 21815 56684 01943
41058 56568 63164 28631 38796 32056 39936 78257 23039 46921
25915 86781 51247 93710 46369 41753 87100 88776 82916 62945
00157 12807 39749 74741 53346 93817 33778 68248 00976 06171
=100=
-0809

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K
RPT K K
R 123 0814 K
NIL SK

19101 kHz, 16-02, 0800 UTC, CW + FSK 50/500

ZUOB ZUO
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
203 100 16 0755 7891=

97754 62229 18218 11558 88542 60661 07872 55478 30651 68224
12488 84042 25924 17076 82769 04836 46086 97313 53856 36534
43819 81566 40440 35967 33238 06761 30413 59635 57711 04912
84600 41639 06168 64947 79463 76988 26487 44030 15641 62766
65821 10020 04744 61166 19193 46524 38911 24327 32327 88014
=50=
62591 83957 59662 99741 67692 57058 73222 63778 53931 42016
49508 75882 87519 99466 51944 18631 49029 11691 87850 84921
67274 90476 82506 51732 94079 27622 78917 50820 40290 06472
66684 71135 30554 22624 68400 70618 09668 04147 22036 65920
31801 89470 47104 11047 926?5 55340 39131 22081 22863 47662
=100=
-08021

CFM NIL QRU? K
ZZC ZVP K K
BK QRV K
RPT K K
R 852 1080 K
NIL SK

I1TH I1T
QSA4 QSA? K
OK ZZC ZVP K
BK BK QRV K
RPT K
RPT PBL K
RPT K
K
R 233 0810 K
QTC1 ZZC ZVP K

204 100 17 0800 3741=
204 100 17 0800 3741=
64642 61940 12699 48352 98288 55720 19785 96612 84443 48394
68207 27290 53123 63946 32377 63703 18150 09951 90604 98902
63792 47639 17944 15412 70233 82374 63954 11494 52157 68429
69202 78605 08993 52494 97622 50292 27167 53513 11222 77729
13697 07828 06642 39711 32476 74548 47128 94579 69723 27398
=50=
42209 87643 40285 19188 04708 12863 62812 99055 52600 33941
77867 87165 65746 04721 39399 34248 63740 44971 54828 44416
64615 77901 06572 54641 91774 81825 70154 72184 48098 26213
52430 01395 08825 29739 27049 89722 09474 47708 30612 35310
55951 85087 40897 35505 35828 05368 31536 93313 26405 13086
=100=
-0814

F8PW F8PW F8PW DE AEE
QTC1 ZZC ZVP K

205 100 18 0755 /284=
08652 85195 56009 22242 92771 02324 24209 68777 23455 57992
39608 92055 69190 35005 04069 51743 19499 28243 91322 57977
47463 33707 21660 80126 63717 16534 49386 72964 98876 85619
28229 03878 41890 46454 84262 07968 19833 05802 74653 61206
88137 53460 47133 45025 51116 67909 69992 66722 79204 56971
=50=
42273 13204 16537 71544 84326 79386 44981 49470 00853 82739
33+85 37465 12921 06265 47632 13786 81231 76845 37949 24751
39894 22793 47662 85161 80876 90177 40641 16308 64732 21059
13102 81418 15809 11751 73858 27142 16728 12963 09809 92299
66263 30045 47332 35443 84287 20961 82728 35132 60915 14060
=100=
-0807

77

19101 kHz, 19-02, 0804 UTC, CW + FSK 50/500

IC8U

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

206 100 19 0800 7198=

206 100 19 0800 7198=

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

206 600 19 0800 7198=

206 100 19 0800 7198=

RPT K

OK QSY 35989 K

Changed frequency. New frequency not found

19101 kHz, 20-02, 0800 UTC. Not found

19101 kHz, 21-02, 0806 UTC, CW + FSK 50/500

1EZP 1EZP 1

1SA4 QRU? K

OK ZZC ZVP K

BK BK QRV K

RPT K

RPT K

RPT K

RPT ZVP K

BK QRV K

K

R 387 0811 K

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

208 100 21 0800 4512=

45786 47183 70145 47420 48323 17435 88278 84512 08415 18270

51085 61225 92510 51622 82144 66403 65786 44799 28192 34396

69994 57017 57545 19280 13822 28967 74783 15236 90565 17656

66160 59847 84152 68881 67124 85340 12829 88094 77884 14212

37161 75611 62447 55556 94302 91814 06334 51934 32898 56321

=50=

14764 95776 19464 93507 13122 99852 16603 09078 70936 42013

93807 39636 07367 88787 77771 61564 07999 62055 75222 00290

06895 15881 39028 91006 77101 52101 30919 74573 80215 20822

49171 25355 69762 65732 24565 28702 06315 56081 77045 51046

26094 71453 67190 76697 07401 97491 13933 31678 05515 50320

=100=

-0814

CFM NIL QRU? K

SK

19101 kHz, 22-02, 0803 UTC, CW + FSK 50/500

Very weak signal The callsign and operator chat were unreadable as was part of the message.

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

209 100 22 0855 8215=

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

209 100 22 0855 8215=

03923 34648 11669 31330 91634 00046 04198 45219 24280 34367

37800 22256 85227 06249 37577 80118 00507 73990 60782 61005

03470 252_7 0_2_6 14104 38619 89080 90508 62509 21780 69572

13247 _7815 57817 __139 28206 56805 21840 _6177 2763_ 50186

31451 20722 44539 59721 _71__ 16387 3_845 18801 04769 36350

=50=

07795 6_304 20286 7375_6_940 04248 63923 __6_80_063_49247
86304 74__4 74786 22000_5704 1147_74_22 02_92 48739 ?6108
20393 12990 06968 78357 71564 32_____5257 86278 39627 51507
47____87872 29186 95_37_1_33 44294 70631 08717 10_4_43596
01562 70612_1_08 05693 6_546 29998 761_6 46_____5_3_273_0
=100

19101 kHz, 23-02, 0806 UTC, CW + FSK 50/500

WX2A WX2A

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

210 100 23 0800 9327=

210 100 23 0800 9327=

210 100 23 0800 9327=

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

210 100 23 0800 9327=

210 100 23 0800 9327=

16739 \$4759 99912 63616 87970 93495 92285 31018 90811 09680

38826 03944 45783 42765 58739 16876 02585 30024 58149 78145

81357 46346 14865 59563 23237 10546 04899 59803 41848 50906

34978 80036 76071 12394 65560 51074 80899 87992 78075 28750

33580 54171 57366 44553 02109 64959 98559 52582 86932 87654

=50=

25656 74061 26073 14762 96019 21816 23288 05423 64183 69747

25326 27908 62302 10964 24962 42126 86438 25527 50180 52240

68476 62976 77210 26788 63874 04648 60800 56465 03427 44334

39018 43207 28908 97633 35977 81416 04507 36258 99681 60925

47154 03766 37289 13630 42913 19522 08134 66932 89107 14177

=100=

-08102

CFM NIL QRU? K

OK ZZC ZVP K

BK BK ZVP K

RPT K

RPT K

RPT K

K

R 232 0815 K

R 232 0815 K

NIL SK

19101 kHz, 24-02, 0806 UTC, CW + FSK 50/500

S5W8 S5W8 S5W

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

211 100 24 0755 8732=

95840 83167 92629 87819 89117 60971 26802 90527 42106 11312

59162 04311 63945 25698 54264 09532 90326)62113 49843 66145

99937 63938 15957 53084 53369 82596 20745 42857 77284 05924

39985 88750 59245 81766 55575 99101 73163 66463 43468 06973

74034 64395 56082 66004 56892 89999 46361 74633 30158 51451

=50=

90990 49138 09647 83466 79614 46812 12413 65280 28182 88626

42713 47920 33221 17092 33344 55431 10383 82086 33273 85826

27052 63908 01840 12442 19636 93195 04321 78688 58052 29785

99454 07846 54006 49607 45663 00479 97054 55151 02723 56217

26204 70510 42947 31578 67169 61603 52174 57520 78385 03650

=100=

-0808

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K (3x)
ZVP K
BK ZVP K
RPT K (3x)
K
RPT PBL K
RPT K (10x)
ZVP K
BK QRV K
RPT K (7x)
ZTH PBL K
QRV K
R 161 0814 K
NIL SK

19101 kHz, 25-02, 0803 UTC, CW + FSK 50/500

5NT8 5NT8 5NT8 DE OA9K OA9K OA9K K
5NT8 5NT8 5NT8 DE OA9K OA9K OA9K K
(unreadable)
BK QRV K
RPT K
(unreadable)
R 08__243 K
(unreadable)
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

212 100 25 0800 6556=
66106 52819 75120 54326 55332 66884 65195 74975 16248 39581
34979 35533 09830 50779 28674 60338 67474 30994 21536 60839
77754 32669 __412 85396 94947 52937 92788 32200 _7540 84534
34820 79362 27596 55077 06662 66741 17512 58306 6_4__ __07
82348 81657 78649 82722 094__ 49331 24458 45910 80855 73767
=50=
10999 43198 21289 33426 53858 55141 16307 57266 20059 3974_
_8_58 48372 60022 97915 84_76 _6214 64532 38787 16728 23537
23181 046_1 9452_ 47815 53157 270_2 72602 76803 97059 79853
33668 58758 95257 84447 94491 59236 58936 78766 76___ 1663_
16_17 48693 34320 02098 66617 41149 ___31 69228 57590 51450
=100

(rest unreadable)

19101 kHz, 27-02, 0805 UTC, CW + FSK 50/500

FI17
QSA4 QRU? K
OK ZZC ZVP K
BK BK QRV K
K
R 258 0809 K
R 258 0809 K
R 258 0809 K
R 258 0809 K
R 258 0809 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

214 100 27 0800 4643=
23910 76181 59321 66125 23364 14004 92703 98026 39581 84096
52280 61481 08370 98810 64912 32833 70790 77137 53702 89060

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 678 1542 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
ZVP K
BK QRV K
R 472 1549 K
QTC1 ZZC ZVP K

CFM NIL SK

CFM NIL QRU? K

CFM NIL QRU? K
OK SLV K
BK QRV K
RPT K
K
R 228 1544 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K
RPT K

CFM NIL QRU? K
ZVP K
BK QRV K
BK QRV K
K
R 35 1543 K
SK

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 180 1543 K
SK

5469 kHz, 11-02, 1535 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

083 100 11 1525 1357=
67912 03588 89083 86799 27716 97367 94615 01079 16804 38309
24616 30568 58339 04=31 23924 +6498 61324 17466 51405 50173
49742 30071 83418 82741 39279 94002 57341 57377 46289 26400
53093 11730 11055 12560 20868 79631 70490 70376 68773 20677
81760 85141 23162 36565 33302 94274 95793 77083 12739 16765
=50=
29871 28645 04275 77285 51846 96382 02439 52836 53273 75015
79773 38986 40080 05209 15435 93314 01398 75985 72682 60810
92757 57008 70900 09798 26204 59430 64469 31661 73365 38727
75695 04679 65321 56232 50799 24797 76=36 15282 26871 12748
11000 92794 66009 83431 95092 10706 73800 44880 07596 54197
=100=
-1540

CFM NIL QRU? K
OK ZVP K
BK QRV K
K
R 286 1543 K
SK

5469 kHz, 12-02, 1533 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZCZ ZVP K

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

085 100 12 1525 1357=
085 100 12 1525 1357=
085 100 12 1525 1357=
085 100 12 1525 1357=
37715 69380 00485 83579 13474 94468 59852 31191 36913 49817
93032 65923 78473 63692 72084 53554 25940 40535 02340 62321
71499 06451 10626 76941 45671 65419 70011 13761 87371 94080
14773 95858 72896 91189 47874 99099 03482 79066 85097 60809
96777 48148 06366 54772 56967 64744 63962 30166 18545 11119
=50=
36724 41915 50166 59767 39685 32765 81353 89692 24251 92261
01082 63659 33068 56925 16043 15533 65493 85860 79576 33247
85309 63418 90449 94481 65015 86010 71703 98651 44519 00560
64577 27328 59131 42909 17427 55713 77856 57412 46181 52545
57292 95796 08505 46507 74502 95742 21961 17806 63713 27197
=100=

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 478 1543 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZCZ ZVP K
QTC1 ZCZ ZVP K
K

CFM NIL QRU? K
OK ZVP K
BK QRK
R 465 1545 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

CFM NIL QRU? K
OK QRV K

BK QRV K
K
R 274 1542 K
SK

7451 kHz, 14-02, 1532 UTC, CW + FSK 50/500

LKDW LKDW LKDW DE PRAT PRAT K
QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

364 100 14 1225 9302 =
89545 25577 65696 04395 91988 02691 43371 17357 32616 02456
58757 43269 23750 27194 99393 56779 13660 19914 14652 11520
63220 55335 19648 91380 52305 35989 79740 93719 35033 23037
60295 23036 01881 97421 47370 94456 21703 90565 31763 61791
34785 89684 08431 22452 38335 90965 05591 07942 78689 73988 =50=
74307 42442 32622 33343 10986 44655 52005 57135 90533 91981
31021 03536 14987 82979 25320 06322 00496 39555 54329 76479
89488 05113 04019 80398 10626 51043 56359 46114 57596 52065
58309 02936 65206 99842 70360 94300 60006 73273 67535 80849
06703 90670 60565 28956 35801 54376 40592 09861 83115 73895 =100=
- 1535

CFM NIL QRU? K
NIL K
SK

5469 kHz, 15-02, 1535 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

091 100 15 1525 1357=
89335 37833 24415 27839 51124 97602 18344 80395 61904 44150
20143 53235 46592 99428 99081 65880 80214 76911 47906 11664
67586 85363 56597 29530 80870 69147 71429 23471 92874 79352
53233 42486 17777 70539 63462 84131 58402 96436 24402 69412
39776 97220 30992 39872 51791 17070 52940 56790 02092 22311
=50=
58249 47664 63778 95684 48777 19962 01056 91379 09444 38896
25512 24440 64291 00258 27576 80469 11462 98932 91930 25153
19066 75633 74410 92185 59963 99024 33542 13976 46399 30268
92780 28932 56802 03712 65896 84803 69760 70873 24207 62043
32111 99789 06172 15514 83006 79883 21552 84454 58165 59202
=100=
-1539=

CFM NIL QRU? K
OK ZVP K
BK QRV K
RPT K
RPT ZVP K
K
R 153 1543 K
SK

5469 kHz, 16-02, 1534 UTC, CW + FSK 200/1000

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

093 100 16 1525 1357=
59729 65034 73364 74361 36719 16951 22095 17242 63699 08444
37341 45733 87508 22548 72154 16272 94149 28693 97078 01258
04010 64813 00836 76435 95514 51778 59282 44945 24700 39695
30081 65254 01351 65456 39220 28987 44064 14060 46383 46513
16231 46966 80089 72578 51401 04958 48693 73189 89207 37186
=50=
96066 16133 17198 47267 36678 60879 49545 38143 47277 13659
38726 80689 72849 38944 20447 17192 22326 92670 67241 30124
66701 63072 32664 37816 89306 56688 08196 86905 33701 35016
71604 47006 02274 95208 76176 52356 92775 11213 82631 22944
73280 85513 13502 02655 93976 19003 77797 90543 87850 16471
=100=
-1538

CFM NIL QRU? K
OK SLV K
BK QRV K
K
R 384 1542 K
SK

5469 kHz, 17-02, 1535 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

095 100 17 1525 187=
10813 38329 28315 80200 95770 35843 26429 77822 94037 81703
71969 99694 02266 15619 81306 08990 37225 13793 19157 58210
11362 98088 13737 46115 64751 60094 22551 96906 93288 93426
03220 27828 26093 _9___ 84203 21864 49450 20904 72191 43268
36456 97975 34101 92184 67676 93129 95543 35253 08990 02604
=50=
80369 16230 44710 27672 19208 30692 4847_ 30263 42843 86065
27477 20881 22971 62208 75271 68784 53290 12212 36753 01143
82001 16997 44085 01923 27912 41518 99290 31832 59679 39033
55148 30192 98337 37042 21309 24047 42458 28959 35768 72776
90940 86493 33570 31847 87474 46644 45630 84853 18888 04988
=100=
-1538

CFM NIL QRU? K
ZVP K
BK QRV K
RPT K
K
R 956 1542 K
SK

5469 kHz, 18-02, 1534 UTC, CW + FSK 50/500

CDAP CDAP CDAP DE AIFH AIFH K
QSA2 QSA? K
QTC1 ZZC ZVP K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

097 100 18 1525 1357=
07909 81910 30912 77906 74027 02434 03115 29610 85378 55667
43168 06071 47651 19070 36785 63240 90527 33532 99156 27556
68236 81127 32894 72948 13739 67812 47293 09621 47348 03197

13108 06588 04723 23297 45691 59489 19429 24874 67952 28579
43402 57495 52495 61168 62879 01778 63323 67308 87156 83799
=50=
75174 27626 68903 58080 98723 30609 59787 11673 54344 61291
20812 34206 17506 42911 48794 16657 99790 13655 28489 24117
45525 05383 27217 52217 94534 66999 64536 23171 41992 86607
59324 99008 08271 01540 80199 37519 56008 50772 89008 13187
19748 99840 71604 75664 84487 41062 79166 .5592 89569 93650
=100=
-1537

5469 kHz, 19-02, 1534 UTC, CW + FSK 50/500

[illegible]

5469 kHz, 20-02, 1536 UTC, CW + FSK 50/500

101 100 20 1525 1357=
96390 30344 27079 96178 57989 33375 48288 41097 72471 39866
84372 43572 12152 19538 20280 43949 74504 76754 18845 07671
69399 55249 33593 98065 60544 06263 35284 34150 20479 97015
57513 21940 29568 19346 46785 89281 04877 29015 06672 60494
09295 88528 62260 10122 74034 21463 19838 43816 77015 23645
=50=
03108 54023 33218 27410 28929 55411 13433 20942 27561 69002
12206 37388 49304 65569 70957 23843 27748 37795 63714 38186
08613 55650 17781 73152 63854 49259 07799 26482 61941 31746
12990 43980 01880 90651 82406 65959 66376 33144 27525 51736
04054 63188 26453 21947 38480 13318 11228 60398 31409 02098
100=
-1543

Heavy interference. Unreadable

QTC1 ZZC ZVP K

105 100 22 1525 1357=
86907 70040 21329 54073 65459 47633 24136 80786 92027 99117
49486 64320 84698 27018 91093 70501 24064 82134 12171 11133
12411 91143 46065 64778 40059 38161 47401 79496 73470 94693
43460 30848 10670 75216 80140 36605 96053 29525 33693 88801
40275 41301 81707 24876 33112 40342 40388 02934 23815 74953
=50=
70684 15449 80219 03318 05306 87094 46405 01247 33856 97228
24364 26326 78241 94411 27622 41065 09067 68300 17143 25889
10672 83500 11137 09539 77901 22821 73352 86636 86919 61936
03393 64858 14440 64640 42643 62658 37169 45340 15670 64648
61337 89956 98306 47371 31928 10475 54889 56863 66118 06735
=100=
-1537

SK

QTC1 ZZC ZVP K

90

CFM NIL QRU? K
OK ZVP K
BK QRV K
R 573 1541 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA4 QSA? K
QTC1 ZZC ZVP K

CFM NIL QRU? K
ZVP K
BK QRV K
K
R 161 1541 K
SK

CDAP CDAP CDAP DE AIFH AIFH K
CDAP CDAP CDAP DE AIFH AIFH K
QSA3 QSA? K
QTC1 ZZC ZVP K

91

BJ QRV K
K K K
RPT K
K
R 103 0552 K
QTC1 ZZC K

R Y R Y R Y R Y R Y R Y R Y R Y R Y

711 100 24 0540 9824 =
711 100 24 0540 9824 =
711 100 24 0540 9824 =

93855 33392 17040 95708 97371 80937 83553 02133 87424 66827
02629 09566 08843 43240 2__44 97785 96079 66634 07052 40047
70518 86962 94498 99168 13934 37634 26381 18307 362_9 02468
2569_8_0_0_2_07__0752_1918 63892 72214 73419 13280 09533
57957 64809 73079 51124 19637 10979 48606 66451 39359 18173 =50=
17992 26650 43633 91918 89303 26269 65961 49514 96430 28579
81787 72639 02099 79954 41640 73584 17732 29068 03217 37156
21747 32407 44569 92842 96364 19758 71596 654_4 18605 21300
0065? 23258 9___8_3422_0327 52214 05541 93628 02907 41459
84856 07517 27995 07765 30451 36926 85486 28820 31056 71888 =100=
-0558

CFM NIL K
SK

4026 kHz, 24-02, 0550 UTC, CW + FSK 50/500

Unreadable

4461 kHz, 27-02, 0549 UTC, CW + FSK 50/500

PLXW PLXW PLXW DE PZAK PZKA K

QSA3 QRU? K

OK SLV K

RPT K

K

R 113 0553 K

QTC1 ZZC ZVP K

[illegible]

660 100 27 0535 2602=

660 100 27 0535 2602=

660 100 27 0535 2602=

94854 09725 07014 93436 34799 67072 43031 58276 50682 54834

33478 79717 43449 66038 46955 45000 47306 17854 60110 19762

76360 80970 60885 73651 29469 11934 80879 32430 62296 06173

74712 62736 54047 60930 48574 89858 09793 68871 92049 57744

64209 95199 55712 99292 14691 41065 05057 76453 70505 50178 =50=

04640 21499 01069 05374 92575 75291 84547 92773 80555 80139

32085 01305 29407 71310 23802 40998 50155 28721 63955 89161

14064 79404 43739 31788 17044 65711 54107 41762 25880 39991

64645 52424 34330 28236 68313 76722 50677 53999 30547 51674

50154 92178 79539 78520 49503 78832 04552 25149 24260 49005 =100=

-0556 -(

CFM NIL K

NIL SK

4461 kHz, 28-02, 0549 UTC, CW + FSK 50/500

PLXW PLXW

PLXW PLXW PLXW DE PZAK PZAK K

QSA3 QSA? K

ZVP K

BK QRV K
RPT K. RPT K. K
R 115 0554 K
QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
471 100 28 0530 8327=
87502 04402 62361 89532 68917 99497 15538 18031 83343 03555
88366 92909 54528 35944 19501 33415 67124 77305 35322 56435
40736 67006 51080 03857 95368 43343 75609 47049 50175 95582
82016 08616 55446 44572 04746 46257 58607 91501 43131 21585
97236 64447 33118 25741 16650 80875 68322 52418 00181 29827 =50=
83061 87917 28200 98167 77004 15758 14233 90275 72278 47254
67711 97289 23563 09463 10305 97718 50438 04296 94391 51258
69912 98881 18571 74307 75380 88669 02466 84293 11269 36100
86291 94677 26153 18459 58579 07020 68355 28372 40169 94977
67556 50082 87568 19041 61609 70605 25816 91470 43766 15792 =100=
-0556 (

CFM NIL K
SK

P07

10251 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1500 UTC
9333 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1510 UTC
9074 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1520 UTC
8128 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1530 UTC
7691 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1540 UTC
7458 kHz, 02-02/05-02/09-02/12-02/16-02/19-02/23-02/26-02, 1550 UTC

X06

14445 kHz, 06-02, 0813 UTC, MFSK-6 Test: 334566

The following logs come from Rycat who says *"There was also an interesting mistake during the X06b that preceded the E07 (1st transmission at 1410z) that day. It appears that two different tone generators were somehow connected to the same transmitter, causing them to overlap and become distorted."* Click on the speaker for a recording.

X06b on February 20th

18350 kHz, 1208-1256 UTC	112233
17000 kHz, 1248-1251 UTC	111666
17000 kHz, 1253 UTC	111666
17000 kHz, 1255 UTC	111666

11168 kHz, 1312 UTC	two tone generators at once out of sync and distorted
12168 kHz, 1312 UTC	two tone generators at once out of sync and distorted
13368 kHz, 1312 UTC	two tone generators at once out of sync and distorted
11168 kHz, 1313 UTC	two tone generators at once out of sync and distorted
12168 kHz, 1313 UTC	two tone generators at once out of sync and distorted
13368 kHz, 1313 UTC	two tone generators at once out of sync and distorted



15810 kHz, 1405-1450 UTC CW (transmitter is keyed during X06 tones)

9373 kHz, 1459 UTC	224455 before XPA2
10373 kHz, 1459 UTC	224455 before XPA2
12173 kHz, 1500 UTC	224455 before XPA2
9373 kHz, 1501 UTC	166161 before XPA2
10373 kHz, 1501 UTC	166161 before XPA2
12173 kHz, 1501 UTC	166161 before XPA2

16430 kHz, 1515-1620 UTC 332211

14374/13374/11474 kHz, 05-02/07-02, 1310/13330/1350 UTC

334 334 334 1 334 334 334 1 334 334 334 1

00401 00132 83562 42217 86031 97213 81599 85099 42158 54305
01221 32247 20957 43671 26496 72390 03933 29064 26813 82314
97340 63666 86570 44882 35849 75426 30425 05464 79395 10624
57364 24716 58599 41731 80914 62468 37287 09086 23853 65762
55940 05115 38162 39294 97323 02275 85877 63773 68938 87125
36516 04470 75373 29709 60113 63515 91488 23098 98727 44355
79292 78968 66360 73800 92515 68780 77898 68791 29667 12376
24087 25048 20291 10195 55882 77635 68845 25748 96244 19133
80392 52237 33303 82319 15465 63595 30386 40560 77941 56724
01736 61348 92152 17678 73829 89717 01301 57428 52917 37712
19904 43142 81322 85234 60178 61608 16256 47704 32147 20655
28751 08176 19575 05792 28519 29486 63473 27482 32544 16307
78909 22519 17649 35444 29405 12899 90485 04162 63332 62819
42725 28967 56955 47280 27730

14374/13374/11474 kHz, 12-02/14-02, 1310/13330/1350 UTC

334 334 334 1 334 334 334 1 334 334 334 1

00491 00147 53722 21394 62354 59098 01475 96441 93468 93771
29020 16854 32108 38686 20653 53151 32287 74233 48715 07181
57858 75168 96416 90054 40422 88380 30376 75660 43464 29998
79657 29160 87517 42347 81565 32971 46337 43618 89799 80553
63991 06145 14349 83641 14789 72000 21594 58834 38761 79719
45906 58080 17001 48042 71186 41926 81827 39181 11008 12667
83903 23534 21769 05647 23458 73334 06897 55575 26179 21634
09750 08929 25813 31494 61125 02798 91424 59572 25924 91490
02817 78948 14140 54433 07151 58847 74278 75029 35444 23282
70644 36808 69891 02503 51044 57798 11463 50394 41959 97779
04107 34081 54710 12904 50104 89777 00097 24607 87463 77125
48400 78723 88447 86246 50875 94992 06116 03131 64506 20560
68522 44525 95655 38298 95880 70955 20851 04819 07284 59117
92523 41007 16573 22300 29056 91939 11520 06772 28518 91093
42398 88141 02275 31905 40861 59896 70137 00771 80885 55510

14374/13374/11474 kHz, 19-02/21-02, 1310/13330/1350 UTC

334 334 334 1 334 334 334 1 334 334 334 1

00719 00099 90436 06543 74341 55054 54007 00140 47711 50537
98779 12402 51427 17432 66186 51312 46783 85970 49842 13751
95306 10256 89141 39632 79893 45672 68357 55339 84105 40880
86232 12857 13161 93434 31733 30116 50589 58845 91427 87757
27666 71844 05254 75564 33660 23534 37369 70149 76256 17113
04986 11404 51853 34142 62557 19548 57875 31844 53237 48868
77563 01743 37330 84070 15219 17556 79986 00241 42697 02138
54351 56523 47463 87900 37648 08942 32617 46595 88446 95147
43276 44612 73619 01992 51426 73322 43205 88232 11638 63467
68151 42132 20884 16012 76958 63382 52199 35608 93468 02598
05906 11230

14374/13374/11474 kHz, 26-02/28-02, 1310/13330/1350 UTC

334 334 334 1 334 334 334 1 334 334 334 1

00792 00153 92773 29864 52940 23374 62684 28282 52361 19652
25408 36274 97291 78245 96469 51871 98653 11171 62309 49093
01051 64322 85496 41974 58536 44321 52676 48562 21134 27464
05725 76857 59735 01152 79947 40467 31351 29420 87877 64595
16988 10975 72310 47049 58730 19220 78576 62549 06831 17678
46813 39259 11772 09885 11824 03551 21948 75349 94554 10151
59178 00777 61871 59644 30864 54135 29751 36793 26381 95502
03211 40491 66459 95083 35007 97813 07351 96422 05765 97882
48421 35765 67690 64336 49621 62299 68880 69845 20150 34964

85018 51921 06341 19765 69961 10321 97003 18657 05251 43282
14689 82322 24593 41390 17562 10477 91156 19002 06512 44227
12217 72067 62808 88310 29008 06707 27780 80527 27515 61603
85700 64992 99006 66884 24325 38139 31317 29648 52010 72963
39749 35368 61402 23339 00610 90721 48831 35831 39676 44811
21770 51466 59905 72114 03279 96276 76530 27782 54377 17422
04548 41475 49023 94264 53672 40564

XPA2

16146/15846/14446 kHz, 0910/0930/0950 UTC

16146/15846/14446 kHz, 01-02/06-02/08-02, 0910/0930/0950 UTC

08199 00068 23768 60244 94595 63560 88502 45172 27370 40723
77526 01995 79359 46402 91417 48049 24304 01989 63994 26868
59251 02341 26254 50874 50701 55196 06247 81923 83922 02332
18209 22483 06492 74922 70783 91336 07099 60370 92700 42959
95825 61201 61745 25245 86773 28334 34414 51108 52544 92816
06479 04494 66972 90385 89372 48796 52078 19875 56664 11087
51927 42199 09606 69028 33422 53523 85155 52152 93255 08970
00354

16146/15846/14446 kHz, 13-02, 0910/0930/0950 UTC

09796 00001 00000 37672

16146/15846/14446 kHz, 15-02, 0910/0930/0950 UTC

09257 00001 00000 35666

16146/15846/14446 kHz, 20-02/22-02/27-02, 0910/0930/0950 UTC

00507 00112 30569 03384 35329 16364 52199 62466 59645 03890
78100 72787 31736 95912 72335 50724 09807 33958 04536 74018
26453 35079 54630 15837 83738 74092 54484 33143 74958 23265
55645 84170 90703 17180 67311 22296 42583 94902 24683 02877
05419 44184 70367 78803 78489 12407 35881 56691 76640 22953
59401 40376 77356 14503 47305 97204 45857 16897 38155 58234
50604 17163 47032 42127 73381 44367 22584 97889 89804 89734
59069 88202 13868 62234 71892 76623 60247 44331 21843 62784
03835 74904 69177 54165 93738 41526 43920 96421 46262 21117
41330 98186 82179 29553 82540 65668 71844 02996 49483 85030
88619 63107 85590 15035 16669 08543 53698 90442 02165 28632
76657 64225 16584 55320 44606

11461/10261/9161 kHz, 1600/1620/1640 UTC

11461/10261/9161 kHz, 01-02, 1600/1620/1640 UTC

00156 00182 70933 86783 82828 46989 89899 71844 86159 08751
04837 97388 49138 73790 39610 99641 15772 99915 11944 53680
84235 67996 87361 94348 00656 92623 62026 75184 04973 71809
69624 31175 67926 56029 04543 80216 00735 22181 06552 70632
14027 43495 15189 90275 26118 53222 18936 34150 99749 36377
79771 11952 38581 30061 10935 67941 48342 51332 73031 35619
11549 84492 97627 52803 57164 60266 33544 37269 27226 48704
50149 08311 52068 11726 44033 62500 66644 68026 05527 40773
59767 02725 37756 48215 57822 15815 26089 37566 59152 10691
54373 56424 85674 85465 86281 92399 21127 64782 25744 78404
59028 05427 66124 28014 24603 48633 52596 08273 96967 90648
55627 97466 63086 10739 58780 01852 25609 94529 65987 84236
94731 27276 88890 72477 01809 13525 39359 58304 38453 63520
51059 15972 64096 90339 19580 77146 01801 74726 45841 85555
09997 70149 43786 87080 40969 48719 70064 46093 94904 70002
19840 47341 46825 43705 79240 06808 90395 38470 73417 68917
60499 22578 40109 23144 09020 83191 53436 68610 88177 23220

70649 04703 24869 86743 14145 01032 76120 79415 69055 31927
84351 62383 90015 48450 33341

11461/10261/9161 kHz, 03-02, 1600/1620/1640 UTC

04231 00001 00000 32657

11461/10261/9161 kHz, 08-02, 1600/1620/1640 UTC

01620 00001 00000 34253

11461/10261/9161 kHz, 10-02/15-02, 1600/1620/1640 UTC

00850 00179 35156 42158 06054 98567 66897 55972 18732 12301
67387 43467 87942 16145 76953 90980 87581 07948 56871 12714
44463 46227 39696 70098 50907 89614 33624 78539 09665 74337
86300 80076 22514 78671 63781 23696 45288 29593 93822 54477
55584 14658 30848 64006 03585 80584 37530 66705 26250 58625
83923 76379 54575 46446 46777 29383 61282 44058 42909 12613
57810 59562 00603 54350 63927 55059 35655 69816 84376 33027
43885 67111 21282 14760 56973 35734 14310 83830 76316 65121
17476 77098 57568 18163 23328 96322 81409 90430 45327 95840
04045 14377 51499 67553 84776 80024 60348 62175 27127 06363
57719 54083 23252 78571 19170 39468 48958 01302 55102 09352
92055 91690 22623 85462 74846 16415 21505 34308 11702 96158
39691 18451 34399 52085 22159 05097 06494 89520 72472 06022
15250 56178 91437 74823 37245 16874 97803 76699 88238 62190
54681 10695 23990 00161 35017 97210 66241 88174 12427 94080
76228 63242 52624 00565 30233 30647 19795 68675 49239 06066
36346 47427 05713 94675 53141 17359 93288 19491 70683 53681
43460 08921 87617 99729 38153 15892 88065 82912 82563 80349
62081 74321

11461/10261/9161 kHz, 17-02, 1600/1620/1640 UTC

06229 00001 00000 36660

11461/10261/9161 kHz, 22-02, 1600/1620/1640 UTC

09164 00001 00000 33667

11461/10261/9161 kHz, 24-02, 1600/1620/1640 UTC

00469 00140 09640 33024 75524 45140 05432 23690 87727 79520
49696 09307 10659 92167 81808 01661 40115 60681 48547 56444
80255 12178 97212 05740 96437 12531 81272 30260 89471 32317
10453 20479 12721 50376 61725 55621 70668 43402 22455 50093
27150 16697 31901 12747 37948 56004 19783 04437 22011 57518
64127 43822 44110 51310 95577 30163 19993 42560 03535 09284
58738 89010 05052 05459 49223 39855 65150 53667 86190 10589
36682 54840 23074 05861 19143 35115 95153 91186 26566 10068
53025 27425 65774 81506 97164 97450 36208 60478 74444 53865
94726 72400 14610 21080 36008 21707 29349 01527 16303 90537
80423 09797 54717 50359 35409 92074 98668 03382 73095 88696
41787 57377 62711 68046 02313 61305 41113 85674 75858 49996
90663 11319 33816 75677 19246 91958 14974 61215 49041 85489
69151 63275 22622 80846 60581 41665 43854 92597 89789 02234
80753 71939 27720

13387/13887/14787 kHz, 0800/820/0840 UTC
--

13387/13887/14787 kHz, 03-02/05-02, 0800/820/0840 UTC

06664 00214 17550 21242 90248 74491 55094 13348 38779 07598
40787 45150 26126 90629 86653 85791 37879 49271 27890 26342
61899 57258 48061 18420 37287 55430 53550 86746 18219 70180
40816 04353 10685 53893 88557 30642 43545 40406 62922 42319
31773 00098 45761 37257 56885 07628 26419 81198 52886 41578
23976 26938 59400 01210 87028 57809 18130 21040 53132 90919
07618 81186 41069 99726 06007 71839 78661 75416 59695 85085

44017 92674 66072 50299 94042 26252 82326 91765 53620 73418
94380 91740 33088 06914 51815 04244 67505 10090 49980 16835
37043 73059 73926 49161 60879 54736 15751 30360 23320 51771
38916 93273 73362 98233 50451 09928 66726 85708 97831 50250
54828 33879 07310 08304 92612 96918 20372 99951 57038 70616
34904 31881 11709 13961 04282 80948 26311 65149 93236 77973
73751 51951 62949 26525 03143 55068 21626 57062 85446 58732
25495 37896 02448 90358 65383 75586 38055 09735 61877 92268
65249 08638 72649 12229 93262 36417 56631 18721 33482 23902
88616 88672 73998 36139 70269 31535 25072 38359 62062 83288
78900 92274 56415 52386 69196 18440 83903 52689 95599 89156
59422 69720 39210 02573 74483 45228 04040 05333 62687 60117
99000 54338 20692 60299 08407 85443 25294 82126 73004 41375
35915 29108 16390 84258 88096 32114 23235 25329 58069 63237
48260 41832 83758 44910 27570 36637 47540

13387/13887/14787 kHz, 10-02, 0800/820/0840 UTC

05799 00001 00000 41266

13387/13887/14787 kHz, 12-02, 0800/820/0840 UTC

09213 00001 00000 33662

13387/13887/14787 kHz, 17-02, 0800/820/0840 UTC

07474 00001 00000 35266

13387/13887/14787 kHz, 19-02, 0800/820/0840 UTC

02353 00001 00000 34257

13387/13887/14787 kHz, 24-02, 0800/820/0840 UTC

06392 00001 00000 33667

13387/13887/14787 kHz, 26-02, 0800/820/0840 UTC

01316 00001 00000 35652

16102/14951/13991 kHz, 0910/0930/0950 UTC

16102/14951/13991 kHz, 03-02, 0910/0930/0950 UTC

02077 00001 00000 34661

16102/14951/13991 kHz, 05-02, 0910/0930/0950 UTC

08855 00001 00000 37666

16102/14951/13991 kHz, 10-02/12-02/17-02/19-02, 0910/0930/0950 UTC

05161 00110 08001 14245 18327 06758 95274 87309 20730 29977
84612 51068 98206 73725 24762 71371 92861 68109 97067 63729
45448 64703 37158 64421 16364 20654 92034 88455 89308 69558
56547 28106 89234 38325 13295 29363 54108 00411 09078 35287
60097 75491 94949 12177 62148 25343 06506 56750 51792 35167
97991 53419 62059 00930 90312 07117 85601 62563 50722 81709
34759 58201 60559 06650 46305 96694 67959 04543 30523 92764
42037 75635 86789 79179 95293 19401 49379 49029 00378 45625
82548 18790 64985 56513 39103 94157 70106 18265 36781 14463
13423 78079 83553 91714 35419 11186 58905 66567 85251 19825
02989 11548 07679 11739 97462 58510 34875 62288 09820 44346
85976 89930 54615

16102/14951/13991 kHz, 24-02, 0910/0930/0950 UTC

06088 00001 00000 35267

16102/14951/13991 kHz, 26-02, 0910/0930/0950 UTC

07162 00001 00000 32665

12147/10347/9247 kHz, 1100/1120/1140 UTC

12147/10347/9247 kHz, 04-02, 1100/1120/1140 UTC

04602 00001 00000 35254

12147/10347/9247 kHz, 07-02, 1100/1120/1140 UTC

03918 00001 00000 41654

12147/10347/9247 kHz, 11-02/14-02/18-02/21-02, 1100/1120/1140 UTC

00320 00098 77750 06911 30754 71802 88743 36017 16223 68767
07552 36835 67616 34871 55374 60598 94638 79535 11051 93597
95190 84562 74186 73200 57691 70854 01606 22191 85726 86641
13789 07717 58658 35787 17765 91677 42592 83853 67570 06773
37478 61864 72875 85034 69107 78085 49545 53855 61939 90062
30233 29002 53248 04807 88008 73519 90444 37787 10774 89066
99479 44574 37374 93790 19020 66314 34628 91872 82374 30131
10577 80547 37280 29046 14755 40050 23376 17373 95356 55390
35239 25647 48541 39117 16817 65481 50083 16365 03255 14624
45483 48461 03336 17901 67431 75481 49639 74976 59804 92319
73233

12147/10347/9247 kHz, 28-02, 1100/1120/1140 UTC

07989 00001 00000 42267

12173/10373/9373 kHz, 1600/1620/1640 kHz

12173/10373/9373 kHz, 04-02, 1600/1620/1640 kHz

03705 00001 00000 37253

12173/10373/9373 kHz, 06-02, 1600/1620/1640 kHz

07745 00001 00000 37263

12173/10373/9373 kHz, 11-02/13-02, 1600/1620/1640 kHz

00377 00105 19338 04263 48717 58310 94276 69204 58202 78748
64008 96520 95890 94867 10707 48302 48350 65829 03400 84706
78732 40323 83680 55363 00430 33129 88383 07648 96332 36333
61046 05232 68502 63670 22800 70382 85308 37003 53009 32334
00040 80635 45083 85800 64700 86288 58084 16062 20954 48458
42554 23486 05089 47823 80005 17887 02330 64698 08066 72587
94024 60168 00142 06883 63893 82800 45873 08372 22668 35860
87317 65562 45008 65408 08106 60332 06302 68227 06727 83877
65008 83070 80503 06042 73688 36603 63060 30832 63530 08153
88888 08325 03740 23390 04698 95630 38562 03062 52580 32031
87380 35380 88680 16305 30036 06702 76444 07306

12173/10373/9373 kHz, 18-02, 1600/1620/1640 kHz

02603 00001 00000 35652

12173/10373/9373 kHz, 20-02, 1600/1620/1640 kHz

05580 00001 00000 33665

12173/10373/9373 kHz, 25-02/27-02, 1600/1620/1640 kHz

00287 00152 50864 29025 48647 09199 92627 45039 91704 25041
67102 03332 77062 82000 29507 69438 03350 82853 99798 51504
72270 63343 80541 48453 17897 74961 36557 20336 79381 46253
03063 04252 12870 13719 59206 83573 87073 23111 27320 44217
69577 70830 59231 43117 63234 71591 55960 00052 65795 76689
03983 13506 30634 06214 37208 80193 73558 79176 64513 10213
28326 48368 67055 53826 35820 67463 70994 52468 72764 14111
23576 79531 25064 65058 57321 76192 65229 57734 49477 72682
27331 06006 51045 06451 33358 07119 59761 29820 89159 38769
97304 25866 48377 97484 86379 16299 75973 14590 75867 69781
26596 21425 39322 72160 21034 17589 89704 30094 41089 23979

12691 42614 46972 96679 86106 11134 18289 54477 87664 25478
45986 37251 01901 78465 30332 87598 41165 23275 43690 47821
77755 83498 00038 49776 75615 14671 68638 01355 31556 06684
88275 84684 16757 59674 32575 11802 45437 57524 56620 66112
47322 26413 96041 42442 50415

13967/13367/11567 kHz, 1100/1120/1140 UTC

13967/13367/11567 kHz, 05-02, 1100/1120/1140 UTC

04337 00001 00000 36257

13967/13367/11567 kHz, 06-02, 1100/1120/1140 UTC

02931 00001 00000 36255

13967/13367/11567 kHz, 13-02, 1100/1120/1140 UTC

02687 00001 00000 37662

13967/13367/11567 kHz, 19-02/20-02, 1100/1120/1140 UTC

03271 00070 45748 18507 99556 34986 48696 12119 69440 38667
44193 61952 24859 70839 51187 70053 17580 63812 04192 20734
59421 69041 79738 11258 68542 27537 97971 44308 72785 02710
81012 18235 86431 51563 67916 85707 97623 01463 48237 68197
98942 48369 15476 81856 96233 14395 37998 84924 67153 01890
93426 03358 56265 87798 67575 50331 04845 00833 50412 65287
47331 19782 62284 47045 29115 99356 34225 91300 98720 86870
76298 27227 03500

13967/13367/11567 kHz, 26-02, 1100/1120/1140 UTC

02726 00001 00000 37654

13967/13367/11567 kHz, 27-02, 1100/1120/1140 UTC

04877 00001 00000 40663

14956/16356/14576 kHz, 1200/1220/1240 UTC

14956/16356/14576 kHz, 07-02, 1200/1220/1240 UTC

00655 00196 94166 68572 94369 64220 93843 56252 26669 59960
70969 07068 76585 26201 15947 49343 59956 90069 85229 10686
03550 58771 30175 61433 70085 52119 36045 83026 65253 62944
89657 38286 99043 02208 54181 10468 09004 96495 33141 54262
73240 56387 34321 56396 92864 60166 78260 22518 38364 58500
22631 35160 60188 98159 88916 99733 51404 96670 24552 88493
44921 49513 97068 07776 91943 65179 80448 30507 35566 51086
73301 50522 95190 61818 59742 72698 66736 99114 07330 45024
24424 52653 94224 98728 96012 28061 25518 51448 67065 99910
17371 17543 78552 74175 15696 86415 12340 90008 67661 41432
15630 00678 30896 30015 12854 52247 12931 76654 90143 02962
37347 44647 69414 23401 64281 88646 97392 57014 76155 77969
58010 97273 32731 84412 37546 96888 56608 57228 30705 22768
92281 96570 74409 07968 05174 22469 16493 20277 60885 07555
72986 99626 89265 00348 17699 76609 42209 88001 17533 34435
05832 92658 93287 72623 24989 24196 90455 19759 91713 56350
59803 07652 19826 19633 91639 53766 96240 35305 77909 05688
05405 48749 81062 72778 52438 01820 35756 13300 69343 89456
55187 11774 63772 77121 94342 02666 35860 48844 45997 34192
16943 71939 48977 68992 05058 59472 09606 46896 03427

14956/16356/14576 kHz, 12-02/14-02, 1200/1220/1240 UTC

00775 00252 28764 93227 79453 98721 20517 15585 81372 89245
77260 15378 15100 00132 26401 69440 13217 27822 55141 42409
29339 58577 01016 59196 92060 88859 12457 38850 66748 60949
51145 96264 38179 89238 83713 61605 99607 23514 52159 19718
39947 01257 67500 93914 00653 68678 94644 06705 05625 22669

90247 40799 96944 19867 03580 76055 20859 35753 86365 15388
61360 30041 84169 44103 53967 78459 29137 36509 36204 17505
51230 59070 30390 14975 84854 83521 56645 31065 27958 26396
38693 04365 11929 73839 71282 22780 17919 58665 43746 15357
27665 65184 51816 90455 77885 05761 25557 61077 70960 49074
53323 91015 05419 39584 07596 18777 71121 63038 90518 41473
92028 77287 75337 70570 77951 05426 17153 64375 76547 42813
50043 29435 54448 62173 44281 76436 78831 17104 23191 37047
75501 42354 45789 81649 89047 95349 34343 47987 91498 58071
34500 06335 74237 70865 85998 16018 39561 31923 48241 70652
37266 55822 12663 69215 72669 62489 64665 47773 92132 61154
64265 15085 52400 01036 64744 19267 90037 20443 63754 06248
59311 82565 08454 34390 83343 02287 52503 32451 95469 75158
22457 36134 52509 62341 86051 93870 55232 04192 25176 38267
69486 26844 53947 86134 38501 34849 84603 45244 28656 05614
83282 55944 32590 57839 95551 49564 60387 52985 96618 69834
96561 84956 33698 62877 92860 72141 17490 55115 17430 75115
83929 53096 50722 27897 38806 98638 43206 39149 32392 09318
51890 58234 66699 56735 66440 86705 23749 39462 66148 80046
30162 38912 30301 59769 32572 06803 36810 21163 90456 97626
14755 20006 81905 54766 00171

14956/16356/14576 kHz, 19-02/21-02, 1200/1220/1240 UTC

00782 00175 35690 25346 78359 76915 55497 55650 72032 54156
05938 60536 86527 80716 25925 18602 78616 34626 51463 49482
71208 75001 26527 45177 41132 38592 86509 35201 59334 74844
30909 99319 05929 03028 36397 05894 78417 69630 35194 68684
63271 81697 24046 05894 23004 92490 20335 46899 01287 38889
03708 41072 00965 67690 64374 79762 85877 76279 83292 51978
64706 51271 77129 34940 47148 97773 21673 43793 76078 42762
54766 71057 69181 12234 79302 89460 19226 24225 05887 13563
92290 15922 26632 84997 18883 87093 38276 79852 83016 98680
21503 28312 84091 41757 06427 29232 99465 46981 45715 21825
12161 18124 90289 71031 90929 17727 87994 61984 09487 69936
47062 61142 87602 50789 69671 97066 70261 43837 70215 16013
97503 89404 44977 90737 83570 75699 78392 45267 53391 91690
07877 44122 05140 16762 49270 35084 73160 80770 56238 91632
91682 73407 61471 91355 09027 72138 31464 27155 09531 60764
20344 29754 91051 96367 71747 02769 07691 94287 27534 45892
77421 69382 92704 00230 52003 45860 29160 11785 91266 09458
36210 85216 78935 58899 73609 71058 27693 45056

14956/16356/14576 kHz, 26-02/28-02, 1200/1220/1240 UTC

00613 00123 76175 17082 76129 74227 93663 55422 22475 90056
27113 20507 59193 73201 20692 58229 62533 34658 25525 60220
36938 43375 13254 91954 87915 42993 89971 62823 73205 95252
70895 28408 53460 22115 04851 94672 09962 69743 01282 98677
33522 15114 09938 69131 30040 79138 13773 41737 26392 86168
38128 78575 32367 61341 88214 70919 40382 61156 08827 27106
31916 70543 03829 77988 19912 60436 93689 73695 60799 81588
66208 54422 16090 01476 67289 46471 95311 59479 89195 02253
09373 18494 19505 37760 21544 49026 58296 52796 32652 99310
14342 27562 51562 05513 98248 73985 94892 25503 23454 08718
56406 57052 44443 00539 63960 41451 62452 18758 74717 62354
92015 52980 57814 52518 63110 52652 85405 14752 85204 75032
10704 70792 06191 64091 92215 27051

XPB1

14873 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1200 UTC
14373 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1210 UTC.
13873 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1220 UTC.
13373 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1230 UTC.
12173 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1240 UTC.
11173 kHz, 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02, 1250 UTC.

19521 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0600 UTC
19121 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0610 UTC
18221 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0620 UTC
17421 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0630 UTC
16321 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0640 UTC
15821 kHz, 03-02/04-02/10-02/11-02/17-02/18-02/24-02/25-02, 0650 UTC

20035 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1300 UTC
19235 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1310 UTC
18335 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1320 UTC
17435 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1330 UTC
16235 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1340 UTC
15835 kHz, 04-02/07-02/11-02/14-02/18-02/21-02/25-02/28-02, 1350 UTC

X-- Russian intel

MFSK-21/MFSK-13 transmissions

18561 kHz, 06-02, 0715 UTC
18561 kHz, 06-02, 1348 UTC
13397 kHz, 07-02, 0716 UTC
18569 kHz, 17-02, 0842 UTC
16274 kHz, 17-02, 0846 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 06-02, 0921 UTC, RFSM-8000
17440 kHz, 06-02, 1321 UTC, RFSM-8000
14755 kHz, 07-02, 0921 UTC, RFSM-8000
17440 kHz, 07-02, 1324 UTC, RFSM-8000
18455 kHz, 07-02, 1357 UTC, RFSM-8000
18515 kHz, 07-02, 1121 UTC, RFSM-8000
14755 kHz, 12-02, 0916 UTC, RFSM-8000
17440 kHz, 12-02, 1323 UTC, RFSM-8000
18455 kHz, 12-02, 1400 UTC, RFSM-8000
18515 kHz, 12-02, 1123 UTC, RFSM-8000
14755 kHz, 13-02, 0922 UTC, RFSM-8000
17440 kHz, 13-02, 1322 UTC, RFSM-8000
18455 kHz, 13-02, 1145 UTC, RFSM-8000
18515 kHz, 13-02, 1125 UTC, RFSM-8000
14755 kHz, 14-02, 0920 UTC, RFSM-8000
17440 kHz, 14-02, 1324 UTC, RFSM-8000
18455 kHz, 14-02, 1400 UTC, RFSM-8000
18515 kHz, 14-02, 1125 UTC, RFSM-8000
14755 kHz, 17-02, 0848 UTC, RFSM-8000
17440 kHz, 17-02, 1323 UTC, RFSM-8000
18455 kHz, 17-02, 1357 UTC, RFSM-8000
18515 kHz, 17-02, 1113 UTC, RFSM-8000

14755 kHz, 19-02, 0926 UTC, RFSM-8000
17440 kHz, 19-02, 1321 UTC, RFSM-8000
18455 kHz, 19-02, 1358 UTC, RFSM-8000
18515 kHz, 19-02, 1122 UTC, RFSM-8000
14755 kHz, 20-02, 0921 UTC, RFSM-8000
17440 kHz, 20-02, 1321 UTC, RFSM-8000
18455 kHz, 20-02, 1356 UTC, RFSM-8000
18515 kHz, 20-02, 1041 UTC, RFSM-8000
20955 kHz, 20-02, 1451 UTC, RFSM-8000
14755 kHz, 24-02, 0921 UTC, RFSM-8000
17440 kHz, 24-02, 1321 UTC, RFSM-8000
18455 kHz, 24-02, 1356 UTC, RFSM-8000
18515 kHz, 24-02, 0841 UTC, RFSM-8000
20955 kHz, 24-02, 1453 UTC, RFSM-8000
16288 kHz, 24-02, 1327 UTC, RFSM-8000
14755 kHz, 27-02, 0921 UTC, RFSM-8000
17440 kHz, 27-02, 1322 UTC, RFSM-8000
18455 kHz, 27-02, 1356 UTC, RFSM-8000
18515 kHz, 27-02, 1121 UTC, RFSM-8000
20955 kHz, 27-02, 1448 UTC, RFSM-8000
14755 kHz, 28-02, 0924 UTC, RFSM-8000
17440 kHz, 28-02, 1332 UTC, RFSM-8000

Diplomatic stations: Egypt

17425.0 kHz, 01-02, 1125 UTC, CODAN	Egyptian diplo i.p.
19667.7 kHz, 05-02, 1433 UTC, SITOR-A 100/170	Egyptian diplo
19666.0 kHz, 05-02, 1435 UTC, CODAN	Egyptian diplo
17426.7 kHz, 11-02, 1237 UTC, SITOR-A 100/170	MFA Cairo clg KXZ Egyptian embassy Pretoria
20056.7 kHz, 11-02, 1300 UTC, SITOR-A 100/170	MFA Cairo clg KXZ Egyptian embassy Pretoria
17426.7 kHz, 11-02, 1303 UTC, SITOR-A 100/170	MFA Cairo clg KXZ Egyptian embassy Pretoria
17425.0 kHz, 11-02, 1305 UTC, CODAN	99902: MFA Cairo wkg 33317: Egyptian embassy Pretoria
17426.7 kHz, 11-02, 1509 UTC, SITOR-A 100/170	MFA Cairo clg XBVC: Egyptian embassy Vienna
17425.0 kHz, 11-02, 1511 UTC, CODAN	99903: MFA Cairo wkg 11106: Egyptian embassy Vienna
16011.7 kHz, 14-02, 1458 UTC, SITOR-A 100/170	MFA Cairo clg XBVY: Egyptian embassy London
16010.0 kHz, 14-02, 1502 UTC, CODAN	99903: MFA Cairo wkg 11107: Egyptian embassy London

Diplomatic stations: North Korea

13200 kHz, 05-02, 0639 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
14300 kHz, 05-02, 0654 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Vienna
13200 kHz, 05-02, 0700 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
14300 kHz, 05-02, 0730 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Berlin
16252 kHz, 06-02, 0655 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
13200 kHz, 06-02, 0707 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16252 kHz, 07-02, 0632 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN
16252 kHz, 11-02, 0639 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Geneva
16252 kHz, 11-02, 0648 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Rome
13200 kHz, 11-02, 0639 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Sofia
14300 kHz, 11-02, 0656 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Vienna
13200 kHz, 11-02, 0702 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Warsaw
11045 kHz, 11-02, 0705 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Stockholm
14300 kHz, 11-02, 0728 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Berlin
13200 kHz, 11-02, 1331 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Sofia
14650 kHz, 14-02, 1534 UTC, DPRK-ARQ 600/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
16252 kHz, 14-02, 0647 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 14-02, 1236 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
14300 kHz, 20-02, 0734 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Berlin
15500 kHz, 20-02, 0805 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow qkg DPRK embassy Bucharest
18650 kHz, 20-02, 1235 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
18650 kHz, 20-02, 1256 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Cairo
16252 kHz, 20-02, 1227 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
18655 kHz, 20-02, 1258 UTC, DPRK-ARQ 600/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
13200 kHz, 20-02, 1328 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Sofia
15500 kHz, 20-02, 1327 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
16252 kHz, 20-02, 1411 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
15500 kHz, 20-02, 1424 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
18650 kHz, 20-02, 1411 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16250 kHz, 20-02, 1458 UTC, DPRK-ARQ 1200/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
13200 kHz, 24-02, 0704 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
16252 kHz, 24-02, 1226 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
16252 kHz, 24-02, 1245 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 24-02, 1301 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
14666 kHz, 24-02, 1306 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 24-02, 1308 UTC, DPRK-ARQ 600/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
16252 kHz, 24-02, 1410 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
16252 kHz, 27-02, 0628 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK permanent mission to the UN
16252 kHz, 27-02, 0650 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow clg DPRK embassy Rome
13200 kHz, 27-02, 0650 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
13200 kHz, 27-02, 0700 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Warsaw
15500 kHz, 27-02, 0628 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
15500 kHz, 27-02, 0810 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
16252 kHz, 27-02, 1210 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16252 kHz, 27-02, 1228 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Rome
18650 kHz, 27-02, 1314 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow

16252 kHz, 27-02, 1305 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 28-02, 0632 UTC, DPRK-ARQ 600/600 LSB
 13200 kHz, 28-02, 0634 UTC, DPRK-ARQ 600/600 LSB
 13200 kHz, 28-02, 0659 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 28-02, 0659 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 28-02, 0728 UTC, DPRK-ARQ 600/600 LSB
 18650 kHz, 28-02, 1228 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 28-02, 1258 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Moscow wkg DPRK permanent mission to the UN
 DPRK embassy Moscow wkg DPRK permanent mission to the UN
 DPRK embassy Moscow wkg DPRK embassy Sofia
 DPRK embassy Moscow wkg DPRK embassy Warsaw
 DPRK embassy Moscow wkg DPRK embassy Vienna
 DPRK embassy Moscow wkg DPRK embassy Berlin
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Rome wkg DPRK embassy Moscow

Diplomatic stations: Russia

Note the odd PSK-2400 bursts on February 9th

12122 kHz, 03-02, 0754 UTC, MFSK-6
 13452 kHz, 03-02, 0759 UTC, MFSK-6
 19874 kHz, 03-02, 0754 UTC, MFSK-6
 16167 kHz, 04-02, 0909 UTC, Serdolik v2
 12184 kHz, 05-02, 1528 UTC, Serdolik v2
 12184 kHz, 05-02, 1543 UTC, Serdolik v2
 15819 kHz, 05-02, 0744 UTC, MFSK-6
 17452 kHz, 05-02, 0913 UTC, MFSK-66
 17445 kHz, 05-02, 0917 UTC, MFSK-6
 18755 kHz, 05-02, 1301 UTC, MFSK-66
 16315 kHz, 06-02, 0726 UTC, Serdolik v2
 16313 kHz, 06-02, 0728 UTC, Serdolik v2
 16315 kHz, 06-02, 0736 UTC, Serdolik v2
 16313 kHz, 06-02, 0741 UTC, Serdolik v2
 16315 kHz, 06-02, 0743 UTC, Serdolik v2
 16313 kHz, 06-02, 0747 UTC, Serdolik v2
 16313 kHz, 06-02, 0754 UTC, Serdolik v2
 14272 kHz, 06-02, 0746 UTC, Serdolik v2
 14272 kHz, 06-02, 0753 UTC, Serdolik v2
 16026 kHz, 06-02, 0759 UTC, Serdolik v2
 13441 kHz, 06-02, 0807 UTC, MFSK-66
 18575 kHz, 06-02, 1407 UTC, MFSK-6
 16313 kHz, 06-02, 1412 UTC, Serdolik V2
 15883 kHz, 06-02, 1515 UTC, MFSK-66
 16026 kHz, 06-02, 0750 UTC, Serdolik v2
 21826 kHz, 06-02, 0751 UTC, Serdolik v2
 16026 kHz, 06-02, 0815 UTC, Serdolik v2
 13419 kHz, 06-02, 0914 UTC, Serdolik v2
 18197 kHz, 06-02, 0919 UTC, MFSK-6
 14568 kHz, 07-02, 0859 UTC, MFSK-66
 12094 kHz, 07-02, 0904 UTC, MFSK-6
 16304 kHz, 07-02, 1013 UTC, Serdolik v2
 16304 kHz, 07-02, 1016 UTC, Serdolik v2
 16304 kHz, 07-02, 1019 UTC, Serdolik v2
 14824 kHz, 07-02, 1021 UTC, MFSK-6
 16219 kHz, 07-02, 0912 UTC, MFSK-6
 12194 kHz, 07-02, 1046 UTC, MFSK-6
 16103 kHz, 08-02, 1218 UTC, MFSK-6
 18197 kHz, 08-02, 1230 UTC, MFSK-6
 18197 kHz, 08-02, 1230 UTC, MFSK-6
 14865 kHz, 09-02, 0916 UTC, MFSK-6
 14865 kHz, 09-02, 0926 UTC, MFSK-6
 16060 kHz, 09-02, 0932 UTC, MFSK-6

MFA Moscow clg 165324: Russian embassy Vienna
 MFA Moscow clg 165324: Russian embassy Vienna
 MFA Moscow clg 125643: Russian embassy Ulaanbaatar
 Russian diplo
 Russian diplo
 Russian diplo. Idle
 MFA Moscow clg 256341: Russian embassy Beirut
 Russian diplo
 MFA Moscow clg 362154: Russian embassy Athens
 Russian diplo
 Russian diplo. Selcal
 Russian diplo. Idle
 Russian diplo. Selcal
 Russian diplo. Idle
 Russian diplo. Selcal
 Russian diplo. Idle
 Russian diplo. Idle
 Russian diplo. Idle
 Russian diplo. Idle
 Russian diplo
 Russian diplo
 MFA Moscow clg 352416: Russian embassy Dar es Salaam
 Russian diplo
 Russian diplo
 Russian diplo
 Russian diplo
 Russian diplo
 Russian diplo
 Russian diplo
 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
 Russian diplo.
 MFA Moscow clg 324615: Russian embassy Madrid
 Russian diplo. Selcal
 Russian diplo. Selcal
 Russian diplo. Selcal
 MFA Moscow clg 625413: Russian embassy Tel Aviv
 MFA Moscow clg 324615: Russian embassy Madrid
 MFA Moscow clg 625413: Russian embassy Tel Aviv
 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
 MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
 MFA Moscow clg 261453: Russian embassy Cairo
 MFA Moscow clg 261453: Russian embassy Cairo with fast PSK-2400 bursts
 MFA Moscow clg 261453: Russian embassy Cairo. Fluctuated between X06 and PSK-2400, and then eventually became only PSK-2400.
 MFA Moscow clg 463125: Russian embassy Rabat
 MFA Moscow clg 534216: Russian embassy Baghdad
 MFA Moscow clg 216354: Russian Consulate General Chennai
 MFA Moscow clg 412356: Russian embassy Budapest
 Russian diplo

16117 kHz, 10-02, 0927 UTC, MFSK-6
 11545 kHz, 11-02, 0753 UTC, MFSK-6
 17470 kHz, 11-02, 1011 UTC, MFSK-6
 13369 kHz, 12-02, 0823 UTC, MFSK-6
 11562 kHz, 12-02, 0852 UTC, Serdolik v2

11153 kHz, 12-02, 0902 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
11560 kHz, 12-02, 0904 UTC, Serdolik v2	Russian diplo. Test
11562 kHz, 12-02, 0906 UTC, Serdolik v2	Russian diplo
14501 kHz, 14-02, 0919 UTC, MFSK-66	Russian diplo
12193 kHz, 14-02, 0837 UTC, MFSK-66	Russian diplo
12213 kHz, 14-02, 0841 UTC, MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva
12193 kHz, 14-02, 0848 UTC, MFSK-66	Russian diplo
12177 kHz, 14-02, 0927 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
13452 kHz, 17-02, 0737 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
10414 kHz, 17-02, 0734 UTC, MFSK-66	Russian diplo
14377 kHz, 17-02, 0826 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern. Off and back at 0828z
14392 kHz, 17-02, 0900 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
14823 kHz, 17-02, 1526 UTC, MFSK-66	Russian diplo
16313 kHz, 17-02, 1540 UTC, MFSK-66	Russian diplo
10414 kHz, 17-02, 0745 UTC, MFSK-66	Russian diplo
9053 kHz, 17-02, 0748 UTC, MFSK-66	Russian diplo
9088 kHz, 17-02, 0834 UTC, MFSK-66	Russian diplo
16169 kHz, 18-02, 0844 UTC, Serdolik v2	Russian diplo. Selcal
16167 kHz, 18-02, 0851 UTC, Serdolik v2	Russian diplo. Test
18523 kHz, 18-02, 0907 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
14358 kHz, 18-02, 0931 UTC, MFSK-66	Russian diplo
13401 kHz, 18-02, 0937 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
14803 kHz, 18-02, 0944 UTC, MFSK-66	Russian diplo
18197 kHz, 19-02, 0918 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
14650 kHz, 19-02, 1053 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16115 kHz, 19-02, 1059 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
14951 kHz, 19-02, 1218 UTC, MFSK-66	Russian diplo
18245 kHz, 19-02, 1226 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
18245 kHz, 19-02, 1237 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
20374 kHz, 19-02, 1240 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
18755 kHz, 19-02, 1252 UTC, MFSK-66	Russian diplo
17435 kHz, 19-02, 1252 UTC, MFSK-66	Russian diplo
18575 kHz, 20-02, 1405 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
17534 kHz, 20-02, 0754 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
16317 kHz, 20-02, 1435 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-02, 1439 UTC, Serdolik v2	Russian diplo
18232 kHz, 20-02, 1436 UTC, Serdolik v2	Russian diplo. Selcal
18232 kHz, 20-02, 1436 UTC, Serdolik v2	Russian diplo. Idle
18230 kHz, 20-02, 1449 UTC, Serdolik v2	Russian diplo
12092 kHz, 20-02, 1438 UTC, Serdolik v2	Russian diplo
16315 kHz, 20-02, 1439 UTC, Serdolik v2	Russian diplo
18232 kHz, 20-02, 1436 UTC, Serdolik v2	Russian diplo
15866 kHz, 20-02, 1522 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
16275 kHz, 20-02, 1542 UTC, MFSK-66	Russian diplo
14821 kHz, 20-02, 1554 UTC, MFSK-66	Russian diplo
21825 kHz, 20-02, 0757 UTC, Serdolik v2	Russian diplo.
18232 kHz, 20-02, 1411 UTC, Serdolik v2	Russian diplo
16313 kHz, 20-02, 1412 UTC, Serdolik v2	Russian diplo
16315 kHz, 20-02, 1436 UTC, Serdolik v2	Russian diplo
18232 kHz, 20-02, 1437 UTC, Serdolik v2	Russian diplo
16313 kHz, 20-02, 1439 UTC, Serdolik v2	Russian diplo
16315 kHz, 20-02, 1444 UTC, Serdolik v2	Russian diplo
18230 kHz, 20-02, 1451 UTC, Serdolik v2	Russian diplo
14824 kHz, 21-02, 1016 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
16099 kHz, 21-02, 1303 UTC, MFSK-66	Russian diplo
16320 kHz, 21-02, 1309 UTC, MFSK-6	MFA Moscow clg 241563: Russian Consulate General Karachi
13393 kHz, 21-02, 1319 UTC, MFSK-66	Russian diplo
17470 kHz, 24-02, 0815 UTC, Serdolik v2	Russian diplo. Selcal
17468 kHz, 24-02, 0816 UTC, Serdolik v2	Russian diplo
17468 kHz, 24-02, 0832 UTC, Serdolik v2	Russian diplo
17475 kHz, 24-02, 0827 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17468 kHz, 24-02, 0831 UTC, Serdolik v2	Russian diplo
14690 kHz, 24-02, 0923 UTC, Serdolik v2	Russian diplo. Selcal

14688 kHz, 24-02, 0924 UTC, Serdolik v2	Russian diplo
16117 kHz, 24-02, 0932 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19275 kHz, 24-02, 0935 UTC, Serdolik v2	Russian diplo
17523 kHz, 25-02, 0805 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
20815 kHz, 25-02, 1004 UTC, Serdolik v2	Russian diplo
20813 kHz, 25-02, 1007 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20815 kHz, 25-02, 1012 UTC, Serdolik v2	Russian diplo
11483 kHz, 26-02, 0829 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
16116 kHz, 26-02, 0851 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
11153 kHz, 26-02, 0904 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
13849 kHz, 27-02, 0751 UTC, MFSK-66	Russian diplo
12175 kHz, 28-02, 0936 UTC, MFSK-66	Russian diplo
12204 kHz, 28-02, 0953 UTC, MFSK-66	Russian diplo
12177 kHz, 28-02, 0947 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
20605 kHz, 28-02, 1007 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan

Diplomatic stations: Tunisia

11111 kHz, 13-02, 0946 UTC, MIL-STD 188-141	STAT24: Tunisian embassy Rome sounding
11111 kHz, 14-07, 0744 UTC, MIL-STD 188-141	STAT24: Tunisian embassy Rome clg STAT155: MFA Tunis
11111 kHz, 14-07, 0744 UTC, MIL-STD 188-141	STAT155: MFA Tunis clg STAT24: Tunisian embassy Rome

Diplomatic stations: U.S.A.

Mode: MIL-STD 188-141 and voice radio checks

20810.6 kHz, 24-02, 1404 UTC	KWX96: US embassy Lisboa clg. KWB48: RIMC, Frankfurt. [AMD]^:P,\$35-497-T
24883.6 kHz, 24-02, 1417 UTC	KWX96: US embassy Lisboa clg. KWB48: RIMC, Frankfurt. [AMD]^:P,\$35-497-T
24883.6 kHz, 24-02, 1421 UTC	KWP98: US embassy Tunis clg KWP97: US embassy Algiers
24883.6 kHz, 24-02, 1430 UTC	KWX96: US embassy Lisboa clg KWP97: US embassy Algiers
24883.6 kHz, 24-02, 1433 UTC	KWX96: US embassy Lisboa clg KWP96
24883.6 kHz, 24-02, 1437 UTC	KWX96: US embassy Lisboa clg KWP95
16283.6 kHz, 24-02, 1438 UTC	KWX96: US embassy Lisboa clg KWP95
24883.6 kHz, 24-02, 1442 UTC	KWX96: US embassy Lisboa clg KWA54: US embassy Valetta
24883.6 kHz, 24-02, 1442 UTC	KWX96: US embassy Lisboa clg KWT94: US embassy Paris
20810.6 kHz, 24-02, 1505 UTC	KWX96: US embassy Lisboa clg KWT94: US embassy Paris [AMD]/>A2008)
11168.6 kHz, 28-02, 1531 UTC	WNG767: US embassy Pristina clg KWS93: US embassy Belgrade
11168.6 kHz, 28-02, 1531 UTC	KWS93: US embassy Belgrade clg WNG767: US embassy Pristina
11168.6 kHz, 28-02, 1553 UTC	KWY23: US Consulate General Belfast clg KWX92: US embassy, London
11168.6 kHz, 28-02, 1553 UTC	KWX92: US embassy, London clg KWY23: US Consulate General Belfast
11168.6 kHz, 28-02, 1604 UTC	KWX90: US embassy Dublin clg KWY23: US Consulate General Belfast
11168.6 kHz, 28-02, 1604 UTC	KWY23: US Consulate General Belfast clg KWX90: US embassy Dublin

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian military related station, a.k.a. Stalingrad Clock

6911 kHz, 11-02, 1032 UTC	Air raid alarm (for hours)
9010 kHz, 11-02, 1030 UTC	Russian nationalistic song (loop transmission, for hours)
6911 kHz, 13-02, 1722 UTC	Stalingrad Clock sound

UTILITY ROUND-UP

Unid Chinese

12889 kHz, 13-02, MFSK-32/64 LSB. Unid Chinese station

Very active between 1515 and 1535 UTC
Also heard between 1700 and 1715 UTC

Unid station a.k.a. New Buzzer

5782 kHz, 05-02, 1726 UTC	5782 kHz, 11-02, 2047 UTC	5782 kHz, 16-02, 1805 UTC	5782 kHz, 23-02, 1605 UTC
5950 kHz, 05-02, 1726 UTC	5950 kHz, 11-02, 2047 UTC	5950 kHz, 16-02, 1805 UTC	5950 kHz, 23-02, 1605 UTC
6930 kHz, 05-02, 1726 UTC	6930 kHz, 11-02, 2047 UTC	6930 kHz, 16-02, 1805 UTC	6930 kHz, 23-02, 1605 UTC
5782 kHz, 09-02, 1949 UTC	5782 kHz, 12-02, 2030 UTC	5782 kHz, 21-02, 2000 UTC	6085 kHz, 27-02, 2149 UTC
5950 kHz, 09-02, 1949 UTC	5950 kHz, 12-02, 2030 UTC	5950 kHz, 21-02, 2000 UTC	7230 kHz, 27-02, 2149 UTC
6930 kHz, 09-02, 1949 UTC	6930 kHz, 12-02, 2030 UTC	6930 kHz, 21-02, 2000 UTC	7550 kHz, 27-02, 2149 UTC

Chinese military

We received a huge report from Zhai Can. Many thanks for that !

The logs are a mix of VC03 (Chinese Air Defense) and Chinese Air Force traffic (with ALE calls). We normally only mention VC03 here and not the Air Force. However, we thought you might find it interesting to see how this communication takes place; hence the long transcripts. You can find the VC03 transcripts in the VC03 section.

Note that the translations were done with DeepL, not by Zai. So they may be partly incorrect.

Chinese Air Force: 7982 kHz, 20-02, 1145 UTC

"A" denotes the strong signal and "B" the weak. The digital telegram transmitted from A to B, failed always again and again. Even till the end I didn't know if B received it well.

A: 2G ALE: [TO] 240 [CMD] a [TIS] 202
B: 2G ALE [TO] 202
A: 2G ALE [TO] 240 [CMD] a?a [TIS] 202
A: 273 (x2) 157呼叫, 听到请回答
B: (too weak)
A: 好的好的。..... (just didn't get it) 开始, 2958完毕
B:
A: 好的好的, 这里电报09 速率27 单工发下来, 请抄收
B: 好的请发下来
A: 好的请抄收
(a while)
(Data) (72s)
B: 157 (x2) 273呼叫 (x2), 收到请回答
A: 157回答 (x2)
B:
A: 这里电报再来一次, 请抄收
B: 请稍等 (x2)
(a while)
B: 请你电报再来一次怎样?
A: 好的 (x2) 这里电报再来一次, 请抄收
B: 好的, 请发下来
A: 好的请抄收
(a long while)
(Data) (63s)
B: 没收到 (x2), 请你电报速率27 单工 (x2) 再来一次怎样?
(a short while)
B: 157 (x2) 273呼叫 (x2), 听到请回答
A: 157回答 (x2)
B: 没收到 (x2), 请你电报再来一次怎样?
A: 好的 (x2) 这里电报, 更正更正, 好的 (x2) 这里电报再来一次, 请抄收。
B: 好的, 请发下来。
A: 好的, 请抄收。
(a long while)
(Data) (1m49s)

a: 2g ale: [to] 240 [cmd] a [tis] 202
b: 2g ale [to] 202
A: 2G ALE [TO] 240 [CMD] a?a [TIS] 202
A: 273 (x2) 157 calling, please answer if you hear me.
B: (too weak)
A: Okay, okay. (just didn't get it) starting, 2958 over
B:
A: Okay, okay, here's telegram 09 rate 27, please copy it.
B: Okay, please send it down
A: Okay, please copy it.
(a while)
(Data) (72s)
B: 157 (x2) 273 calling (x2), please answer.
A: 157 answering (x2)
B:
A: Here is the telegram again, please copy it.
B: Please hold (x2)
(a while)
B: Can you please copy the telegram again?
A: Yes (x2) Here is the telegram again, please copy it.
B: Yes, please send it down
A: Yes, please copy it.
(a long while)
(Data) (63s)
B: I didn't get it (x2), can you please telegraph rate 27 simplex (x2) again?
(a short while)
B: 157 (x2) 273 calling (x2), please answer if you hear me.
A: 157 answering (x2)
B: confiscated (x2), please telegraph again how?
A: OK (x2) here telegram, corrected corrected, OK (x2) here telegram again, please copy.
B: Okay, please send it down.
A: Yes, please copy it.
(a long while)
(Data) (1m49s)
B: 157 (x2) 273 calling (x2) hear please answer
A: 157 answer (x2)

B: 157 (x2) 273呼叫 (x2) 听到请回答
A: 157回答 (x2)
B: (maybe "please wait")
A: 157 (x2) 273呼叫 (x2), 听到请回答
B: 157回答 (x2)
B: 没收到 (x2), 请你电报再来一次怎样?
A: 好的 (x2), 这里电报再来一次请抄收。
B: 好的, 这里发下来
A: 好的请抄收
(a long while)
(Data) (1m12s)
A: 157回答 (x2) (I'm nearly sure here B didn't say anything and A directly replied the acknowledgement quickly)
B: 请稍等 (x2)
(a short while)
B: 信号小 (x2), 请改变频率到054 (x2)
(a short while)
B: 157 (x2) 273呼叫 (x2) 听到回答!
A: 157回答 (x2)
(a short while)
B: 没收到 (x2), 电报速率27, 单工, 再来一次怎样?
A: 好的 (x2), 这里电报, 再来一次请抄收。
B: 好的, 请发下来
(a long while)
(Data) (57s)
A: 157回答 (x2)
(a short while)
B: 没收到 (x2), 电报速率04 (x2) 单工 (x2), 再来一次怎样?
A: 好的, 这里电报再来一次请抄收。
B: 好的请发下来。
A: 好的请抄收。
(a while)
(Data) (58s)
B: 157 (x2) 273呼叫, 听到请回答
A: 157回答 (x2)
B: 这里电报没收到。电报速率27, 单工, (signal fading)
A:怎样?
B: 好的好的
(a short while)
B: 157 (x2) 273呼叫 (x2), 听到请回答
A: 157回答 (x2), 这里电报09, 速率27 (x2), 单工发下来请抄收。
B: 好的请发下来。
(a short while)
(Data) (1m31s)
A: 157回答 (x2)
B: 请稍等 (x2)
A: 好的好的
(a long while)
ALE: [TO] 240 [CMD] a?a [TWS] 202
B: 157 (x2) 273呼叫 (x2), 听到请回答
A: 157回答 (x2), 信号怎样 (x2)?
B: 信号可以 (x2)
A: 这里电报再来一次, 请抄收。
B: 好的请发下来。
(a long while)
(Data) (1m04s)
(a long while)
A: 237 (x2) 157呼叫, 听到请回答 (273->237, the partner changed?)

B: (maybe "please wait")
A: 157 (x2) 273 calling (x2) hear please answer
B: 157 answering (x2)
B: confiscated (x2), please telegraph again how?
A: OK (x2), here is the telegram again, please copy it.
B: OK, send it down here
A: Yes, please copy it.
(a long while)
(Data) (1m12s)
A: 157 answer (x2) (I'm nearly sure here B didn't say anything and A directly replied the acknowledgement quickly)
B: Please wait (x2)
(a short while)
B: signal is low (x2), please change frequency to 054 (x2)
(a short while)
B: 157 (x2) 273 calling (x2) hear answer!
A: 157 answering (x2)
(a short while)
B: Confiscated (x2), telegram rate 27, simplex, how about another one?
A: Yes (x2), here is the telegram, please copy it again.
B: OK, please send it down
(a long while)
(Data) (57s)
A: 157 answer (x2)
(a short while)
B: Confiscated (x2), telegram rate 04 (x2) single labor (x2), how about again?
A: OK, here is the telegram again please copy it.
B: Okay please send it down.
A: Okay, please copy and receive.
(a while)
(Data) (58s)
B: 157 (x2) 273 calling, please answer if you hear me.
A: 157 answering (x2)
B: Telegram not received here. Telegram rate 27, simplex, (signal fading)
A: How about?
B: Fine, fine.
(a short while)
B: 157 (x2) 273 calling (x2), please answer if you hear me.
A: 157 answering (x2), this is telegram 09, rate 27 (x2), please copy and send it down.
B: Yes, please send it down.
(a short while)
(Data) (1m31s)
A: 157 answering (x2)
B: Please wait (x2)
A: ok ok ok
(a long while)
ALE: [TO] 240 [CMD] a?a [TWS] 202
B: 157 (x2) 273 calling (x2), please answer when you hear it
A: 157 answering (x2), signaling how (x2)?
B: Signal okay (x2)
A: Here is the telegram again, please copy it.
B: Yes, please send it down.
(a long while)
(Data) (1m04s)
(a long while)
A: 237 (x2) 157 calling, answer (273->237, the partner changed?)
B: 237 answering (x2)
B: 237 answering (x2)
A: Signal is OK. How's the signal?

B: 237回答 (x2)
 B: 237回答 (x2)
 A: 信号可以。信号怎样?
 B: 信号可以 (x2)
 A: 好的。..... (same, didn't get what actually he's saying here)
 开始, 2958完毕。
 B: 这里回答.....开始, 8、40、完毕。
 A: 好的 (x2) 这里电报27更正更正, 好的 (x2) 这里电报09, 速率27, 单工发下来请抄收。
 B: 好的 (x2) 请发下来
 A: 好的请抄收
 (a long while)
 (Data) (1m39s) (during the transmission, B called A twice)
 A: 157回答 (x2)
 B: 没收到 (x2), 请你电报再来一次怎样?
 A: 好的 (x2) 这里电报再来一次, 请抄收
 B: 好的 (x2) 请发下来
 (a long while)
 (Data) (1m50s)
 B: 157 (x2) 237呼叫, 听到请回答
 A: 157回答 (x2)
 B: 没收到 (x2)
 (a while)
 A: 信号小 (x2), 双方改变频率到07 (x2)
 B: 好的好的
 (a long while)
 B: 157 (x2) 237呼叫, 听到请回答
 A: 237 (x2) 157呼叫, 请回答请回答
 A: 237 (x2) 157呼叫, 请回答请回答
 B: 237回答 (x2)
 (a while)
 A: 157回答 (x2)
 (a longer while)
 B: 237回答 (x2)
 B: 237回答 (x2)
 (a while)
 B: 好的 (x2) 请发下来
 A: 2G ALE: [TO] 240 [CMD] a [TIS] 202
 B: 2G ALE [TO] 202
 A: 2G ALE [TO] 240 [CMD] a?a [TIS] 202
 A: 273 (x2) 157呼叫, 听到请回答
 B: (too weak)
 A: 好的好的。..... (just didn't get it) 开始, 2958完毕
 B:
 A: 好的好的, 这里电报09 速率27 单工发下来, 请抄收
 B: 好的请发下来
 A: 好的请抄收
 (a while)
 (Data) (72s)
 B: 157 (x2) 273呼叫 (x2), 收到请回答
 A: 157回答 (x2)
 B:
 A: 这里电报再来一次, 请抄收
 B: 请稍等 (x2)
 (a while)
 B: 请你电报再来一次怎样?
 A: 好的 (x2) 这里电报再来一次, 请抄收
 B: 好的, 请发下来
 A: 好的请抄收
 (a long while)
 (Data) (63s)

B: Signal okay (x2)
 A: Okay. (same, didn't get what actually he's saying here)
 start, 2958 over.
 B: Answer here start, 8, 40, over.
 A: Okay (x2) here telegraph 27 corrections corrections, okay (x2)
 here telegraph 09, rate 27, single worker sent down please copy.
 B: Okay (x2) please send it down.
 A: Okay, copy that.
 (a long while)
 (Data) (1m39s) (during the transmission, B called A twice)
 A: 157 answered (x2)
 B: Confiscated (x2), could you please telegraph again?
 A: OK (x2) Here is the telegram again, please copy it.
 B: OK (x2) Please send it down.
 (a long while)
 (Data) (1m50s)
 B: 157 (x2) 237 calling, do you copy?
 A: 157 answering (x2)
 B: Confiscated (x2)
 (a while)
 A: signal small (x2), both sides change frequency to 07 (x2)
 B: Okay, okay.
 (a long while)
 B: 157 (x2) 237 calling, please answer if you hear me.
 A: 237 (x2) 157 calling, come in please answer please answer
 please answer
 A: 237 (x2) 157 calling, please respond please respond
 B: 237 answering (x2)
 (a while)
 A: 157 answering (x2)
 (a longer while)
 B: 237 answering (x2)
 B: 237 answered (x2)
 (a while)
 B: Okay (x2) please send it down
 a: 2g ale: [to] 240 [cmd] a [tis] 202
 b: 2g ale [to] 202
 A: 2G ALE [TO] 240 [CMD] a?a [TIS] 202
 A: 273 (x2) 157 calling, please answer if you hear me.
 B: (too weak)
 A: Okay, okay. (just didn't get it) starting, 2958 over
 B:
 A: Okay, okay, here's telegram 09 rate 27, please copy it.
 B: Okay, please send it down
 A: Okay, please copy it.
 (a while)
 (Data) (72s)
 B: 157 (x2) 273 calling (x2), please answer.
 A: 157 answering (x2)
 B:
 A: Here is the telegram again, please copy it.
 B: Please hold (x2)
 (a while)
 B: Can you please copy the telegram again?
 A: Yes (x2) Here is the telegram again, please copy it.
 B: Yes, please send it down
 A: Yes, please copy it.
 (a long while)
 (Data) (63s)
 B: I didn't get it (x2), can you please telegraph rate 27 simplex
 (x2) again?
 (a short while)
 B: 157 (x2) 273 calling (x2), please answer if you hear me.

B: 没收到 (x2), 请你电报速率27 单工 (x2) 再来一次怎样?

(a short while)

B: 157 (x2) 273呼叫 (x2), 听到请回答

A: 157回答 (x2)

B: 没收到 (x2), 请你电报再来一次怎样?

A: 好的 (x2) 这里电报, 更正更正, 好的 (x2) 这里电报再来一次, 请抄收。

B: 好的, 请发下来。

A: 好的, 请抄收。

(a long while)

(Data) (1m49s)

B: 157 (x2) 273呼叫 (x2) 听到请回答

A: 157回答 (x2)

B: (maybe "please wait")

A: 157 (x2) 273呼叫 (x2), 听到请回答

B: 157回答 (x2)

B: 没收到 (x2), 请你电报再来一次怎样?

A: 好的 (x2), 这里电报再来一次请抄收。

B: 好的, 这里发下来

A: 好的请抄收

(a long while)

(Data) (1m12s)

A: 157回答 (x2) (I'm nearly sure here B didn't say anything and A directly replied the acknowledgement quickly)

B: 请稍等 (x2)

(a short while)

B: 信号小 (x2), 请改变频率到054 (x2)

(a short while)

B: 157 (x2) 273呼叫 (x2) 听到回答!

A: 157回答 (x2)

(a short while)

B: 没收到 (x2), 电报速率27, 单工, 再来一次怎样?

A: 好的 (x2), 这里电报, 再来一次请抄收。

B: 好的, 请发下来

(a long while)

(Data) (57s)

A: 157回答 (x2)

(a short while)

B: 没收到 (x2), 电报速率04 (x2) 单工 (x2), 再来一次怎样?

A: 好的, 这里电报再来一次请抄收。

B: 好的请发下来。

A: 好的请抄收。

(a while)

(Data) (58s)

B: 157 (x2) 273呼叫, 听到请回答

A: 157回答 (x2)

B: 这里电报没收到。电报速率27, 单工, (signal fading)

A:怎样?

B: 好的好的

(a short while)

B: 157 (x2) 273呼叫 (x2), 听到请回答

A: 157回答 (x2), 这里电报09, 速率27 (x2), 单工发下来请抄收。

B: 好的请发下来。

(a short while)

(Data) (1m31s)

A: 157回答 (x2)

B: 请稍等 (x2)

A: 好的好的

A: 157 answering (x2)

B: confiscated (x2), please telegraph again how?

A: OK (x2) here telegram, corrected corrected, OK (x2) here telegram again, please copy.

B: Okay, please send it down.

A: Yes, please copy it.

(a long while)

(Data) (1m49s)

B: 157 (x2) 273 calling (x2) hear please answer

A: 157 answer (x2)

B: (maybe "please wait")

A: 157 (x2) 273 calling (x2) hear please answer

B: 157 answering (x2)

B: confiscated (x2), please telegraph again how?

A: OK (x2), here is the telegram again, please copy it.

B: OK, send it down here

A: Yes, please copy it.

(a long while)

(Data) (1m12s)

A: 157 answer (x2) (I'm nearly sure here B didn't say anything and A directly replied the acknowledgement quickly)

B: Please wait (x2)

(a short while)

B: signal is low (x2), please change frequency to 054 (x2)

(a short while)

B: 157 (x2) 273 calling (x2) hear answer!

A: 157 answering (x2)

(a short while)

B: Confiscated (x2), telegram rate 27, simplex, how about another one?

A: Yes (x2), here is the telegram, please copy it again.

B: OK, please send it down

(a long while)

(Data) (57s)

A: 157 answers (x2)

(a short while)

B: Confiscated (x2), telegram rate 04 (x2) single labor (x2), how about again?

A: OK, here is the telegram again please copy it.

B: Okay please send it down.

A: Okay, please copy and receive.

(a while)

(Data) (58s)

B: 157 (x2) 273 calling, please answer if you hear me.

A: 157 answering (x2)

B: Telegram not received here. Telegram rate 27, simplex, (signal fading)

A: How about?

B: Fine, fine.

(a short while)

B: 157 (x2) 273 calling (x2), please answer if you hear me.

A: 157 answering (x2), this is telegram 09, rate 27 (x2), please copy and send it down.

B: Yes, please send it down.

(a short while)

(Data) (1m31s)

A: 157 answering (x2)

B: Please wait (x2)

A: ok ok ok

(a long while)

ALE: [TO] 240 [CMD] a?a [TWS] 202

B: 157 (x2) 273 calling (x2), please answer when you hear it

A: 157 answering (x2), signaling how (x2)?

(a long while)
 ALE: [TO] 240 [CMD] a?a [TWS] 202
 B: 157 (x2) 273呼叫 (x2), 听到请回答
 A: 157回答 (x2), 信号怎样 (x2) ?
 B: 信号可以 (x2)
 A: 这里电报再来一次, 请抄收。
 B: 好的请发下来。
 (a long while)
 (Data) (1m04s)
 (a long while)
 A: 237 (x2) 157呼叫, 听到请回答 (273->237, the partner changed?)
 B: 237回答 (x2)
 B: 237回答 (x2)
 A: 信号可以。信号怎样?
 B: 信号可以 (x2)
 A: 好的。..... (same, didn't get what actually he's saying here) 开始, 2958完毕。
 B: 这里回答.....开始, 8、40、完毕。
 A: 好的 (x2) 这里电报27更正更正, 好的 (x2) 这里电报09, 速率27, 单工发下来请抄收。
 B: 好的 (x2) 请发下来
 A: 好的请抄收
 (a long while)
 (Data) (1m39s) (during the transmission, B called A twice)
 A: 157回答 (x2)
 B: 没收到 (x2), 请你电报再来一次怎样?
 A: 好的 (x2) 这里电报再来一次, 请抄收
 B: 好的 (x2) 请发下来
 (a long while)
 (Data) (1m50s)
 B: 157 (x2) 237呼叫, 听到请回答
 A: 157回答 (x2)
 B: 没收到 (x2)
 (a while)
 A: 信号小 (x2), 双方改变频率到07 (x2)
 B: 好的好的
 (a long while)
 B: 157 (x2) 237呼叫, 听到请回答
 A: 237 (x2) 157呼叫, 请回答请回答
 A: 237 (x2) 157呼叫, 请回答请回答
 B: 237回答 (x2)
 (a while)
 A: 157回答 (x2)
 (a longer while)
 B: 237回答 (x2)
 B: 237回答 (x2)
 (a while)
 B: 好的 (x2) 请发下来

Chinese Air Force: 7636 kHz, 22-02, 1129 UTC

Only one party can be heard, denoted by "A". This is a pure number conversation (i.e. substitute the directives/words with number codes).

2G ALE: [TO] 115 [CMD] a [TIS] 111
 A: 904 29660 6362
 A: 925
 A: 10726 2937 27 10726 293 (pause) 56 10726 2937 27
 A: 95
 [11:31:07]
 A: 5118 28 29

B: Signal okay (x2)
 A: Here is the telegram again, please copy it.
 B: Yes, please send it down.
 (a long while)
 (Data) (1m04s)
 (a long while)
 A: 237 (x2) 157 calling, answer (273->237, the partner changed?)
 B: 237 answering (x2)
 B: 237 answering (x2)
 A: Signal is OK. How's the signal?
 B: Signal okay (x2)
 A: Okay. (same, didn't get what actually he's saying here) start, 2958 over.
 B: Answer here start, 8, 40, over.
 A: Okay (x2) here telegraph 27 corrections corrections, okay (x2) here telegraph 09, rate 27, single worker sent down please copy.
 B: Okay (x2) please send it down.
 A: Yes, please copy it.
 (a long while)
 (Data) (1m39s) (during the transmission, B called A twice)
 A: 157 replies (x2)
 B: Confiscated (x2), could you please telegraph again?
 A: OK (x2) Here is the telegram again, please copy it.
 B: OK (x2) Please send it down.
 (a long while)
 (Data) (1m50s)
 B: 157 (x2) 237 calling, do you copy?
 A: 157 answering (x2)
 B: Confiscated (x2)
 (a while)
 A: signal small (x2), both sides change frequency to 07 (x2)
 B: Okay, okay.
 (a long while)
 B: 157 (x2) 237 calling, please answer if you hear me.
 A: 237 (x2) 157 calling, come in please answer please answer please answer
 A: 237 (x2) 157 calling, please respond please respond
 B: 237 answering (x2)
 (a while)
 A: 157 answering (x2)
 (a longer while)
 B: 237 answering (x2)
 B: 237 answered (x2)
 (a while)
 B: Okay (x2) please send it down

(so it seems B was collaborating with a new "C" party but I'm not able to receive from C. And the "A", just disappeared.)

A: 7618 77 9278
 [11:32:24]
 A: 6566
 A: 67 120 68 29 18 0222 1930 83 1686 57 57
 (below it may be some kind of number telegram, and each number group is repeated. I just omit the underlines for this section)
 8226 3226 8003 1220 8004 3014 8003 70... (pause) 5656 (pretty sure "56" means "更正") 7011
 3017 8004 1434 8004 2014 8004 1520 8002
 2kuài... (pause) 5656 2718 8002 3620 8002 3620 8001 3033 8002
 3122 8004 1022 8004 2912 8002
 A: 8227
 A: 29
 A: 89
 A: 89
 [11:36:52]
 A: 52
 [11:37:12]
 A: 75 55 01 58 57 22 58 29
 A: 55 01 58 57 22 58 29
 [11:39:33]
 A: 55 19 58 57 10 58 55 56
 A: 55 19 58 57 20 58 29
 [11:40:43]
 A: 24 1940 29
 A: 51 3828 29
 (during 11:41:56 and 11:57:59, they switched to CW)
 [11:58:27]
 A: 904 29660 6362
 A: 9125 10726 2937 27
 A: 95 41 260 04 542 766577 9278
 [12:00:49] (data, duration: 1m48s)
 A: 89
 A: 89
 [12:05:34]
 A: 24 2005 29
 A: 1617
 (end)

Chinese Air Force: 7556 kHz, 22-02, 1043 kHz

ALE: 422 clg 249
 A: 338 714呼叫 听到请回答
 A: 338 714呼叫 听到请回答
 A: 信号小，请稍等。
 A: 信号小，请你改变频率到3信道
 A: 338 714呼叫 听到请回答
 A: 信号小，请稍等。
 A: 信号小，请你改变频率到（? 外 "dingwai"）的5信道
 A: 338 714呼叫 听到请回答
 A: 信号可以，信号怎样？
 A: 好的，???? (really didn't get it, like "shibie'anning") 开始，
 7563完结，请回答。
 A: 好的，请稍等
 (1m18s later)
 A: 速率56，单工，对电报发下来请抄收
 (data, 1m19s)
 A: 好的
 A: 好的，请你电报发下来
 [10:51:23]
 A: 338 714呼叫 听到请回答
 A: 请中断
 A: 信号小，请稍等
 A: 信号小，请你改变频率到4信号，更正更正，请你改变频

ALE: 422 clg 249
 A: 338-714 calling. Do you copy?
 ALE: 338-714, do you copy?
 A: Small signal, please hold.
 A: Low signal, please change frequency to channel 3.
 A: 338 714 calling. Do you copy?
 A: Small signal, please hold.
 A: Small signal, please change frequency to (?). Outside
 "dingwai") on channel 5.
 A: 338 714 calling, do you copy?
 A: Signal is OK, how is the signal?
 A: Okay, ??? (really didn't get it, like "shibie'anning") Starting,
 7563 finished, please answer.
 A: Okay, please wait
 (1m18s later)
 A: Rate 56, simplex, copy to telegram sent down.
 (data, 1m19s)
 A: Okay.
 A: Yes, please send the telegram.
 [10:51:23]
 A: 338 714 calling. Do you copy?
 A: Please interrupt.
 A: Low signal, please hold.
 A: small signal, please change frequency to 4 signal, correction

率到 (dingwai?) 的4信道。
A: 338 714呼叫 听到请回答
A: 信号可以, 这里电报 (bianziqu?) 再来一次。
A: 好的
[10:54:12]
A: 请稍等
A: 报你电报好的, 给你收据1854, 抄收怎样?
A: 请稍等
A: 这里电报发下来请抄收
(data, 1m13s)
A: 好的, 请你电报发下来
A: 好的
[11:00:02]
A: 请稍等
A: 这里电报好的, 给你收据1900, 抄收怎样?
A: 请你转到428电台, 在3信道 (diti?) 呼叫我怎样?
A: 好的谢谢转告, 谢谢工作, 无事结束联络, 再会。
A: 再会再会!
(this session ends)
[11:53:28]
ALE: [TO] 822 [CMD] a [TIS] 422 (long)
ALE: [TO] 822 [CMD] a?p
[11:54:37]
A: 请重复
A: 714回答
A: 信号可以, (shibie'anning?) 开始, 7563完结, 请回答。
A: 好的, 请稍等。
[11:57:28]
A: 速率56, 单工, 这里电报发下请抄收。
(data, 1m13s)
[11:59:59]
A: 好的, 请你电报发下来
A: 好的
[12:02:35]
A: 请稍等
A: 这里电报好的, 给你收据2003, 抄收怎样?
A: 这里电报发下, 请抄收。
A: 这里电报发下, 请抄收。
(data, 1m14s)
[12:06:08]
A: 714回答
A: 请重复
A: 好的, 请你电报发下来。
A: 好的
[12:08:53]
A: 请稍等
A: 这里电报好的, 给你收据2009, 抄收怎样?
A: 好的, 谢谢工作, 无事结束联络再会怎样?
A: 再会!
(this session ends)
[12:17:37]
ALE: [TO] 822 [CMD] a?p [TWS] 422 (short)
[12:31:39]
ALE: [TO] 509 [CMD] a [TIS] 422
(no voice after. End.)

correction, please change frequency to (dingwai?) channel 4.
A: 338 714 calling. Do you read me?
A: Signal OK, here telegraph (bianziqu?) again.
A: Okay.
[10:54:12]
A: Please hold.
A: report you telegraph okay, give you receipt 1854, how about a citation?
A: Please wait.
A: I'm sending you a telegram, please copy it.
(data, 1m13s)
A: Yes, please send the telegram.
A: Okay.
[11:00:02]
A: Wait a minute, please.
A: Here's the telegram okay, I'll give you a receipt for 1900, how about a copy?
A: Can you please transfer to Radio 428 and call me on channel 3 (diti?)?
A: OK, thanks for the message, thanks for your work, nothing else, goodbye.
A: See you again!
(this session ends)
[11:53:28]
ALE: [TO] 822 [CMD] a [TIS] 422 (long)
ALE: [TO] 822 [CMD] a [TIS] 422 (long) [11:53:28] ALE: [TO] 822 [CMD] a?
[11:54:37]
A: Please repeat
A: 714 answering
A: Signal okay, (shibie'anning?) start, 7563 finish, please answer.
A: Okay, please hold.
[11:57:28]
A: Rate 56, simplex, telegram sent here please copy.
(data, 1m13s)
[11:59:59]
A: Okay, telegraph down please.
(data, 1m13s) [11:59:59] A: Yes, please telegraph it down.
[12:02:35]
A: One moment, please.
A: here telegram okay, give you receipt 2003, copy how?
A: Here's the telegram, please copy it.
A: Here is the telegram, please copy it.
(data, 1m14s)
[12:06:08]
A: 714 answering.
A: Please repeat
A: Yes, please telegraph down.
A: Okay.
[12:08:53]
A: One moment please
A: here telegram okay, give you the receipt 2009, copy how?
A: Okay, thanks for your work, nothing else, I'll be in touch.
A: Goodbye!
(this session ends)
[12:17:37]
ALE: [TO] 822 [CMD] a?p [TWS] 422 (short)
[12:31:39]
ALE: [TO] 509 [CMD] a [TIS] 422
(no voice after. End.)

This suddenly came out on the frequency, no ALE or something ahead.

Alphanumeric callsigns? He just kept calling and calling, for about one hour and a half. The lonely caller ☺

A: I8L6 5CBT134	[12:10:41]	[12:41:39]	[12:53:46]	A: 02 06134
A: I8L6 5CBT134	A: 01 06134	A: MFKH MKQF134	A: 01 06134, 01 06134	A: 01 06134
A: I8L6 5CBT134	A: 01 06134	A: MFKH MKQF134	A: MFKH MKQF134	A: 02 06134
A: I8L6 5CBT134	A: 02 06134	A: MFKH MKQF134	A: 01 06134, 01 06134	A: MFKH MKQF134
[11:56:19]	A: 01 06134	A: MFKH MKQF134	A: 01 06134 01 06134	A: MFKH MKQF134
A: MFKH MKQF134	A: 01 06134	A: MFKH MKQF134	A: 01 06134 01 06134	[13:19:50]
A: MFKH MKQF134	A: MFKH MKQF134	A: MWWV MKQF134	A: 01 06134 01 06134	A: MFKH MKQF134
A: MFKH MKQF134	A: MFKH MKQF134	A: MWWV MKQF134	A: MFKH MKQF134	A: MFKH MKQF134
A: MFKH MKQF134	A: 01 06134	A: MFKH MKQF134	A: MFKH MKQF134	A: 01 06134
[11:59:25]	[12:15:44]	[12:43:39]	A: MWWV MKQF134	A: 01 06134 (loud)
A: MFKH MKQF134	A: 01 06134	A: 01 06134	[13:00:11]	A: MFKH MKQF134
A: MFKH MKQF134	A: 01 06134	A: 01 06134	A: 01 06134	A: MWWV MFK (pause,
A: MFKH MKQF134	A: MFKH MKQF134	A: 01 06134	A: 01 06134	obviously he made a
[12:00:36]	(stopped)	A: 01 06134	A: 01 06134	spoken mistake) MKQF134
A: MWWV MKQF134	[12:35:40]	A: MFKH MKQF134	A: MFKH MKQF134	A: MWWV MKQF134
A: 01 06134	A: 01 06134, 134	A: MFKH MKQF134	[13:04:53]	A: MFKH MKQF134
A: 01 06134	A: 01 06134	A: MWWV aeh-MWWV	A: MFKH MKQF134	[13:25:11]
A: 02 06134	A: MFKH MKQF134	MKQF134	A: MFKH MKQF134	A: MFKH MKQF134
A: 02 06134	A: MFKH MKQF134	A: 01 06134	A: MFKH MKQF134	A: MFQ (pause. a mistake)
A: 01 06134	A: MFKH MKQF134	A: 01 06134	[13:07:55]	KH MFKH MKQF134
A: MFKH MKQF134 (x3)	A: 01 06134	A: MFKH MKQF134	A: 01 06134 01 06134	A: MWWV MKQF134
A: MFKH MKQF134	A: MWWV MKQF134	A: 01 06134	A: MFKH MKQF134	A: MFKH MKQF134
A: MWWV MKQF134	A: MFKH MKQF134	A: 02 06134	A: MFKH MKQF134	A: MFKH MKQF134
A: 01 06134	A: MFKH MKQF134	A: MFKH MKQF134	A: 01 06134 01 06134	A: MFKH MKQF134
A: 01 06134	A: MFKH MKQF134	A: 01 06134 01 06134	A: 01 06134 01 06134	A: MFKH MKQF134
[12:04:43]	A: MFKH MKQF134	A: 01 06134	A: 02 06134 02 06134	(stopped)
A: 01 06134	A: MFKH MKQF134	A: 01 06134	A: MWWV MKQF134	[13:58:18]
A: MFKH MKQF134	A: MFKH MKQF134	A: MFKH MKQF134	A: MFKH MKQF134	A: MF, KH, MF, KH, MK,
[12:06:55]	A: MWWV MKQF134	A: 01 06134, 01 06134	[13:14:45]	QF, MQ (in a low voice)
A: 01 06134	A: MFKH MKQF134	A: MFKH MKQF134	A: 01 06134	(stopped)
A: 01 06134	A: MFKH (x3) MKQF134	A: 01 06134 01 06134	A: 01 06134	
A: 01 06134	A: MWWV MKQF134	A: 01 06134 01 06134	A: 01 06134	

Chinese military: 7776 kHz, 22-02, 1327 UTC

These calls also came out suddenly on the frequency. And, why so rapidly??

A: 467 (x4) 听到回答 467听到回答 (x3) 467 (x3) 听到回答!	A: 467 (x4) hear answer 467 hear answer (x3) 467 (x3) hear answer!
A: 467 (x4) 听到回答 467听到回答 (x4)	A: 467 (x4) hear the answer 467 hear the answer (x4)
A: 467 (x7) 听到回答	A: 467 (x7) hear answer!
A: 467 (x3) 852呼叫 听到回答!	A: 467 (x3) 852 call heard answering!
A: 467 45... 更正 467听到回答 (x5)	A: 467 45... Correction. 467, come in. (x5)
A: 467听到回答 (x3)	A: 467 answered (x3).
A: 467 (x4) 听到回答 467 (x3) 852呼叫, 听到回答	A: 467 (x4) hear answer. 467 (x3) 852 call, hear answer.
A: 467 (x4) 听到回答 467听到回答 (x2)	A: 467 (x4) hear answer 467 hear answer (x2)
A: 467 (x5) 听到回答 467 (x3) 852呼叫 (x2) 听到回答 (x2)	A: 467 (x5) hear answer 467 (x3) 852 call (x2) hear answer (x2)
A: 467 (x5) 852呼叫 (x2) 听到回答 (x2)	A: 467 (x5) 852 call (x2) answer heard (x2)
A: 467听到回答 (x4)	A: 467, come in (x4).
A: 这里再来呼叫注意守听这里, 再来是呼叫注意守听。	A: Here is the call again to keep watch and listen here, again is the call to keep watch and listen.

Chinese Air Force: 8946 kHz, 22-02, 0053 UTC

Pure number conversation, and no long telegrams were exchanged (like the regular MIL-STD-118-110B or bunch of number groups).

ALE: [TO] 223 [TIS] 217
[00:58:36]
ALE: [TO] 223 [FROM] LDL [CMD] a
[01:06:18]
(got A strong, B weak)

A: ALE: [TO] 217 [CMD] a [TIS] 211
 B: ALE: [TO] 211 [CMD] aBa [TIS] 217
 A: ALE: [FROM] 211 [CMD] aA#
 A: 107 10171 7473
 B: 10171
 A: 89
 B: 10171 103??
 A: 89
 B: 10171 ...
 A: 90
 A: 90
 B: 107 10171
 A: 107 10171 7473
 B: 10171 ...
 A: 9655 953
 B: 945 9?54
 A: 9662 9560
 B: 9672 7...
 A: 968778 517
 B: 968778 31
 A: 13 3134
 B: 1? ??04
 (this session looks like completed, and A continued calling)
 A: ALE: [TO] 217 [TWS] 211
 A: ALE: [TO] 218 [CMD] a [TIS] 211
 (short bursts of data transmission (sounds not MIL-STD-118-110B) came out. I just assume they were not related to the current conversation)
 A: ALE: [TO] 219 [CMD] a [TIS] 211
 A: ALE: [TO] 220 [CMD] a [TIS] 211
 A: ALE: [TO] 221 [CMD] a [TIS] 211
 ALE: [TO] 219 [CMD] a [TIS] 217 (weak signal, obviously not from A)
 A: ALE: [TO] 223 [CMD] a [TIS] 211
 A: ALE: [TO] 224 [CMD] a [TIS] 211
 A: ALE: [TO] 225 [CMD] a [TIS] 211
 A: ALE: [TO] 226 [CMD] a [TIS] 211
 [01:21:34]
 A: ALE: [TO] 227 [CMD] a [TIS] 211
 (someone replied using ALE but I cannot hear them. Marked as "C")
 A: ALE: [TO] 227 [FROM] 211 [CMD] aG@ [TIS] 211
 A: 117 10171 7473
 A: 9661 9560
 A: 9655 953
 A: 968778517
 C: 969 872848
 A: ALE: [TO] 227 [TWS] 211
 [01:29:02]
 A: ALE: [TO] 228 [CMD] a [TIS] 211
 A: ALE: [TO] 229 [CMD] a [TIS] 211
 [02:30:25]
 (now A is talking with D. A's signal is fading but D's gets strong)
 A: 116 10171 7473
 A: 116 10171 7473
 D: 11674
 A: 9661 9560
 D: 13 9661
 A: 96 3953
 D: 13 9654
 A: ...68 1071...
 D: 13 968778 195
 A: 13 3113
 D: 13 3134
 (this session ends)
 [02:40:27]

A: ALE: [TO] 215 [CMD] a [TIS] 211
(monitoring stopped)

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

9311 kHz, 10-02, 1130 UTC

XXX XXX LR43 LR43 TEHNICHESKAYa PROWERKA 540

XXX XXX LR43 LR43 TEHNICHESKAYa PROWERKA 540 K

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-POL	Ary Boender via remote rx Poland
AB-S	Ary Boender via remote rx Sweden
AB-USA	Ary Boender via remote rx USA
AVX	AlphaVax, Germany
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-FIN	Hans-Friedrich Dumrese via remote rx Finland
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
KW	Kingwing34
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
Priyom	Priyom team
PY	Pierre Ynard, France and via remote rx
RO	Rando One, Sweden
Rycat	Rycat
Subilo	Subilo
TJ	Trond Jacobsen, Norway
TM	Time Machine

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
BUL	6-2	0921	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	6-2	1321	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-2	0921	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-2	1121	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-2	1324	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-2	1357	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-2	0916	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-2	1123	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-2	1323	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-2	1400	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-2	0922	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-2	1125	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-2	1145	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-2	1322	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-2	0920	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-2	1125	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-2	1324	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-2	1400	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-2	0848	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-2	1113	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-2	1323	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-2	1357	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-2	0926	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-2	1122	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-2	1321	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-2	1358	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-2	0921	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-2	1041	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-2	1321	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-2	1356	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-2	1451	20955	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	0841	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	0921	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	1321	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	1327	16288	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	1356	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-2	1453	20955	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	27-2	0921	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)

BUL	27-2	1121	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	27-2	1322	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	27-2	1356	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	27-2	1448	20955	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-2	0924	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-2	1332	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
E06	8-2	1600	9463	Sat	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(AB)
E06	8-2	1600	9463	Sat	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(Subilo)
E06	8-2	1630	6792	Sat	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(AB)
E06	8-2	1630	6792	Sat	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(Subilo)
E06	9-2	0730	12093	Sun	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(AB)
E06	9-2	0730	12093	Sun	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(Subilo)
E06	9-2	0800	9412	Sun	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(AB)
E06	9-2	0800	9412	Sun	480 567 44 48194 58243 95412 ... 24975 23243 68487 567 44 00000	USB	(Subilo)
E06	19-2	1000	15643	Wed	527 149 35 13460 16918 15448 ... 43403 92957 57730 149 35 00000	USB	(Lac/Priyom)
E06	19-2	1030	13547	Wed	527 149 35 13460 16918 15448 ... 43403 92957 57730 149 35 00000	USB	(Lac/Subilo)
E06	19-2	1400	13389	Wed	527 149 35 13460 16918 15448 ... 43403 92957 57730 149 35 00000	USB	(Rycat/Subilo)
E06	19-2	1430	10463	Wed	527 149 35 13460 16918 15448 ... 43403 92957 57730 149 35 00000	USB	(AB/Rycat/Lac/Subilo)
E06	22-2	1600	9463	Sat	480 156 43 18914 73876 24235 ... 43847 57021 24734 156 43 00000	USB	(AB/Subilo)
E06	22-2	1630	6792	Sat	480 156 43 18914 73876 24235 ... 43847 57021 24734 156 43 00000	USB	(AB/Subilo)
E06	23-2	0730	12093	Sun	480 156 43 18914 73876 24235 ... 43847 57021 24734 156 43 00000	USB	(AB/Subilo)
E06	23-2	0800	9412	Sun	480 156 43 18914 73876 24235 ... 43847 57021 24734 156 43 00000	USB	(AB/Subilo)
E06	24-2	1000	15643	Mon	527 186 37 05815 27491 81052 ... 33928 69707 57954 186 37 00000	USB	(PY/Subilo)
E06	24-2	1030	13547	Mon	527 186 37 05815 27491 81052 ... 33928 69707 57954 186 37 00000	USB	(PY/Subilo)
E06	24-2	1400	13389	Mon	527 186 37 05815 27491 81052 ... 33928 69707 57954 186 37 00000	USB	(PY/Subilo)
E06	24-2	1430	10463	Mon	527 186 37 05815 27491 81052 ... 33928 69707 57954 186 37 00000	USB	(PY/Subilo)
E07	1-2	1410	13368	Sat	745 745 745 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/HFD)
E07	1-2	1430	12168	Sat	745 745 745 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/HFD)
E07	1-2	1450	11168	Sat	745 745 745 1 582 167 582 167 03718 95620 66945 ... 46012 29640 28273 000 000	USB	(AB/HFD)
E07	4-2	1500	15858	Tue	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB/HFD/Lac)
E07	4-2	1520	14458	Tue	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB/HFD/Lac)
E07	4-2	1540	12158	Tue	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB/HFD/Lac)
E07	6-2	1410	13368	Thu	745 745 745 000	USB	(AB)
E07	6-2	1430	12168	Thu	745 745 745 000	USB	(AB)
E07	7-2	1500	15858	Fri	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB)
E07	7-2	1520	14458	Fri	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB)
E07	7-2	1540	12158	Fri	841 841 841 1 9797 98 9797 98 01857 40280 58518 ... 24084 49297 65130 000 000	USB	(AB)
E07	8-2	1410	13368	Sat	745 745 745 000	USB	(AB)
E07	8-2	1430	12168	Sat	745 745 745 000	USB	(AB)
E07	11-2	1500	15858	Tue	841 841 841 000	USB	(AB/Lac)
E07	11-2	1520	14458	Tue	841 841 841 000	USB	(AB/Lac)
E07	13-2	1410	13368	Thu	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB/Lac)

E07	13-2	1430	12168	Thu	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB/Lac)
E07	13-2	1450	11168	Thu	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB/Lac)
E07	14-2	1500	15858	Fri	841 841 841 000	USB	(AB)
E07	14-2	1520	14458	Fri	841 841 841 000	USB	(AB)
E07	15-2	1410	13368	Sat	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB)
E07	15-2	1430	12168	Sat	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB)
E07	15-2	1450	11168	Sat	745 745 745 1 162 130 162 130 40867 50645 32919 ... 43820 63219 31699 000 000	USB	(AB)
E07	18-2	1500	15858	Tue	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB/Lac)
E07	18-2	1520	14458	Tue	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB/Lac)
E07	18-2	1540	12158	Tue	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB/Lac)
E07	20-2	1410	13368	Thu	745 745 745 000	USB	(AB)
E07	20-2	1430	12168	Thu	745 745 745 000	USB	(AB)
E07	21-2	1500	15858	Fri	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB)
E07	21-2	1520	14458	Fri	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB)
E07	21-2	1540	12158	Fri	841 841 841 1 5559 164 5559 164 54908 28068 16542 ... 46604 86214 22943 000 000	USB	(AB)
E07	22-2	1410	13368	Sat	745 745 745 000	USB	(AB)
E07	22-2	1430	12168	Sat	745 745 745 000	USB	(AB)
E07	25-2	1500	15858	Tue	841 841 841 000	USB	(AB)
E07	25-2	1520	14458	Tue	841 841 841 000	USB	(AB)
E07	27-2	1410	13368	Thu	745 745 745 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/Lac)
E07	27-2	1430	12168	Thu	745 745 745 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/Lac)
E07	27-2	1450	11168	Thu	745 745 745 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/Lac)
E07	28-2	1500	15858	Fri	841 841 841 000	USB	(AB)
E07	28-2	1520	14458	Fri	841 841 841 000	USB	(AB)
E11	1-2	0700	5371	Sat	498/00 Out	USB	(AB)
E11	1-2	1430	13363	Sat	915/00 Out	USB	(AB)
E11	1-2	1610	4505	Sat	395/00 Out	USB	(AB)
E11	1-2	1645	4909	Sat	360/00 Out	USB	(AB)
E11	2-2	0600	7850	Sun	358/00 Out	USB	(AB)
E11	2-2	0700	5371	Sun	490/00 Out	USB	(AB)
E11	2-2	1610	5432	Sun	235/00 Out	USB	(AB)
E11	2-2	1645	4909	Sun	Test tone. No transmission	USB	(AB)
E11	2-2	1745	12924	Sun	242/00 Out	USB	(AB)
E11	2-2	1910	10487	Sun	612/00 Out	USB	(AB)
E11	3-2	0715	20167	Mon	755/00 Out	USB	(AB)
E11	3-2	0745	10213	Mon	268/00 Out	USB	(AB)
E11	3-2	0845	12067	Mon	714/00 out	USB	(AB)
E11	3-2	0900	15915	Mon	534/00 Out	USB	(AB)
E11	3-2	1300	4909	Mon	313/00 Out	USB	(AB)
E11	3-2	1745	12924	Mon	246/00 Out	USB	(AB/Lac)
E11	3-2	1900	6849	Mon	647/00 Out	USB	(AB)
E11	4-2	0645	12385	Tue	515/00 Out	USB	(Priyom)

E11	4-2	0700	6804	Tue	571/00 Out	USB	(AB)
E11	4-2	0715	14975	Tue	635/00 Out	USB	(AB)
E11	4-2	0745	13908	Tue	228/00 Out	USB	(AB)
E11	4-2	0820	14611	Tue	131/00 Out	USB	(AB)
E11	4-2	0845	17378	Tue	156/00 Out	USB	(AB)
E11	4-2	1000	9079	Tue	308/00 Out	USB	(AB)
E11	5-2	0715	20167	Wed	750/00 Out	USB	(AB-POL)
E11	5-2	0745	17378	Wed	348/00 Out	USB	(AB)
E11	5-2	0820	14611	Wed	131/00 Out	USB	(AB)
E11	5-2	0845	12067	Wed	719/00 Out	USB	(AB)
E11	5-2	0900	15915	Wed	538/00 Out	USB	(AB)
E11	5-2	1610	4505	Wed	394/00 Out	USB	(AB)
E11	5-2	1715	5082	Wed	974/00 Out	USB	(AB)
E11	6-2	0720	8180	Thu	Null message	USB	(FD)
E11	6-2	0745	13908	Thu	224/00 Out	USB	(AB/Lac)
E11	6-2	0845	17378	Thu	152/00 Out	USB	(AB/Lac)
E11	6-2	1300	4909	Thu	313/00 Out	USB	(AB)
E11	6-2	1900	6849	Thu	648/00 Out	USB	(AB)
E11	7-2	0700	6804	Fri	575/00 Out	USB	(AB)
E11	7-2	0715	14975	Fri	631/00 Out	USB	(AB)
E11	7-2	0720	8180	Fri	Null message	USB	(FD)
E11	7-2	0745	17378	Fri	346/00 Out	USB	(AB)
E11	7-2	1000	9079	Fri	300/00 Out	USB	(AB)
E11	7-2	1715	5082	Fri	972/00 Out	USB	(AB)
E11	7-2	1815	6849	Fri	927/00 Out	USB	(AB)
E11	8-2	0700	5371	Sat	490/00 Out	USB	(AB)
E11	8-2	1610	4505	Sat	395/00 Out	USB	(AB)
E11	8-2	1645	4909	Sat	367/00 Out	USB	(AB)
E11	9-2	0700	5371	Sun	495/00 Out	USB	(AB)
E11	9-2	1645	4909	Sun	365/00 Out	USB	(AB)
E11	9-2	1745	12924	Sun	248/00 Out	USB	(AB)
E11	9-2	1815	6849	Sun	929/00 Out	USB	(AB)
E11	10-2	0315	10448	Mon	250/00 Out	USB	(HFD)
E11	10-2	0600	23004	Mon	945/00 Out	USB	(AB-POL)
E11	10-2	0715	20167	Mon	753/00 Out	USB	(AB)
E11	10-2	0830	23353	Mon	183/00 Out	USB	(AB)
E11	10-2	0845	12067	Mon	719/00 out	USB	(AB/Lac)
E11	10-2	0900	15915	Mon	530/00 Out	USB	(AB)
E11	10-2	1045	14410	Mon	697/00 Out	USB	(AB)
E11	10-2	1745	12924	Mon	242/00 Out	USB	(AB)
E11	11-2	0645	12385	Tue	514/00 Out	USB	(Priyom/HFD)
E11	11-2	0700	6804	Tue	571/00 Out	USB	(AB/Lac)

E11	11-2	0745	13908	Tue	225/00 Out	USB	(AB/Lac)
E11	11-2	0845	17378	Tue	156/00 Out	USB	(AB/Lac)
E11	11-2	1000	9079	Tue	306/00 Out	USB	(AB/Lac)
E11	11-2	1205	11559	Tue	465/00 Out	USB	(AB/Lac)
E11	11-2	1430	13363	Tue	919/00 Out	USB	(AB/Lac)
E11	11-2	1605	5432	Tue	233/00 Out	USB	(AB)
E11	12-2	0600	23004	Wed	940/00 Out	USB	(AB-POL)
E11	12-2	0715	20167	Wed	759/00 Out	USB	(AB-POL)
E11	12-2	0745	17378	Wed	343/00 Out	USB	(AB)
E11	12-2	0845	12067	Wed	714/00 Out	USB	(AB/Lac)
E11	12-2	0900	15915	Wed	537/00 Out	USB	(AB)
E11	12-2	0930	7469	Wed	278/00 Out	USB	(AB)
E11	12-2	1045	14410	Wed	692/00 Out	USB	(AB)
E11	12-2	1205	11559	Wed	469/00 Out	USB	(AB)
E11	12-2	1610	4505	Wed	396/00 Out	USB	(AB)
E11	13-2	0645	12385	Thu	515/00 Out	USB	(AB)
E11	13-2	0720	8180	Thu	Message	USB	(FD)
E11	13-2	0745	13908	Thu	221/00 Out	USB	(AB/Lac)
E11	13-2	0845	17378	Thu	152/00 Out	USB	(AB/Lac)
E11	13-2	0930	7469	Thu	273/00 Out	USB	(AB/Lac)
E11	13-2	1900	6849	Thu	648/00 Out	USB	(AB)
E11	13-2	2000	5082	Thu	520/00 Out	USB	(AB)
E11	14-2	0600	7850	Fri	351/00 Out	USB	(AB)
E11	14-2	0700	6804	Fri	576/00 Out	USB	(AB)
E11	14-2	0745	17378	Fri	342/00 Out	USB	(AB)
E11	14-2	0830	23353	Fri	182/00 Out	USB	(AB/Lac)
E11	14-2	1000	9079	Fri	305/00 Out	USB	(AB)
E11	14-2	1815	6849	Fri	922/00 Out	USB	(AB)
E11	15-2	0700	5371	Sat	495/00 Out	USB	(AB)
E11	15-2	1430	13363	Sat	917/00 Out	USB	(AB)
E11	15-2	1610	4505	Sat	393/00 Out	USB	(AB/Lac)
E11	15-2	1645	4909	Sat	363/00 Out	USB	(AB/Lac)
E11	16-2	0600	7850	Sun	354/00 Out	USB	(AB)
E11	16-2	0700	5371	Sun	490/00 Out	USB	(AB)
E11	16-2	1610	5432	Sun	233/00 Out	USB	(AB)
E11	16-2	1645	4909	Sun	367/00 Out	USB	(AB)
E11	16-2	1745	12924	Sun	246/00 Out	USB	(AB)
E11	16-2	1815	6849	Sun	929/00 Out	USB	(AB)
E11	16-2	1910	10487	Sun	612/00 Out	USB	(AB)
E11	16-2	2000	5082	Sun	520/00 Out	USB	(AB)
E11	17-2	0315	10448	Mon	250/00 Out	USB	(TM)
E11	17-2	0600	23004	Mon	948/00 Out	USB	(AB-POL/Lac)

E11	17-2	0715	20167	Mon	753/00 Out	USB	(AB/Lac)
E11	17-2	0745	10213	Mon	262/00 Out	USB	(AB/Lac)
E11	17-2	0830	23353	Mon	182/00 Out	USB	(AB)
E11	17-2	0900	15915	Mon	534/00 Out	USB	(AB)
E11	17-2	1045	14410	Mon	698/00 Out	USB	(AB)
E11	17-2	1300	4909	Mon	314/00 Out	USB	(AB-POL/Lac)
E11	17-2	1900	6849	Mon	643/00 Out	USB	(AB)
E11	18-2	0505	12153	Tue	335/00 Out	USB	(TM)
E11	18-2	0645	12385	Tue	511/00 Out	USB	(AB)
E11	18-2	0645	12385	Tue	511/00 Out	USB	(Priyom)
E11	18-2	0700	6804	Tue	571/00 Out	USB	(AB)
E11	18-2	0715	14975	Tue	630/00 Out	USB	(AB/Lac)
E11	18-2	0820	14611	Tue	134/00 Out	USB	(AB/Lac)
E11	18-2	1205	11559	Tue	460/00 Out	USB	(AB/Lac)
E11	18-2	1430	13363	Tue	918/00 Out	USB	(AB/Lac)
E11	18-2	1605	5432	Tue	233/00 Out	USB	(AB)
E11	19-2	0600	23004	Wed	948/00 Out	USB	(AB-POL/Lac)
E11	19-2	0715	20167	Wed	759/00 Out	USB	(AB-POL)
E11	19-2	0745	17378	Wed	346/00 Out	USB	(AB)
E11	19-2	0820	14611	Wed	133/00 Out	USB	(AB)
E11	19-2	0900	15915	Wed	535/00 Out	USB	(AB)
E11	19-2	0930	7469	Wed	273/00 Out	USB	(AB)
E11	19-2	1045	14410	Wed	694/00 Out	USB	(AB/Lac)
E11	19-2	1205	11559	Wed	461/00 Out	USB	(AB)
E11	19-2	1715	5082	Wed	974/00 Out	USB	(AB)
E11	20-2	0645	12385	Thu	514/00 Out	USB	(AB)
E11	20-2	0645	12385	Thu	514/00 Out	USB	(Priyom)
E11	20-2	0720	8180	Thu	431/00 Out	USB	(PY)
E11	20-2	0930	7469	Thu	271/00 Out	USB	(AB)
E11	20-2	1300	4909	Thu	313/00 Out	USB	(AB-POL)
E11	20-2	1530	5409	Thu	269/00 Out	USB	(AB/Lac)
E11	20-2	1900	6849	Thu	643/00 Out	USB	(AB)
E11	20-2	2000	5082	Thu	522/00 Out	USB	(AB)
E11	21-2	0600	7850	Fri	351/00 Out	USB	(AB)
E11	21-2	0700	6804	Fri	576/00 Out	USB	(AB)
E11	21-2	0715	14975	Fri	634/00 Out	USB	(AB)
E11	21-2	0720	8180	Fri	438/00 Out	USB	(AB/HFD)
E11	21-2	0745	17378	Fri	348/00 Out	USB	(AB)
E11	21-2	0830	23353	Fri	188/00 Out	USB	(AB)
E11	21-2	1715	5082	Fri	976/00 Out	USB	(AB)
E11	22-2	1430	13363	Sat	917/00 Out	USB	(AB)
E11	22-2	1645	4909	Sat	367/00 Out	USB	(AB)

E11	23-2	0600	7850	Sun	354/00 Out	USB	(AB)
E11	23-2	1610	5432	Sun	233/00 Out	USB	(AB)
E11	23-2	1645	4909	Sun	367/00 Out	USB	(AB)
E11	23-2	1910	10487	Sun	613/00 Out	USB	(AB)
E11	23-2	2000	5082	Sun	527/00 Out	USB	(AB)
E11	24-2	0315	10448	Mon	258/00 Out	USB	(TM)
E11	24-2	0745	10213	Mon	269/00 Out	USB	(AB)
E11	24-2	0830	23353	Mon	180/00 Out	USB	(Lac)
E11	24-2	0845	12067	Mon	716/00 Out	USB	(AB/Lac)
E11	24-2	1045	14410	Mon	692/00 Out	USB	(AB)
E11	24-2	1300	4909	Mon	311/00 Out	USB	(AB-POL)
E11	24-2	1745	12924	Mon	244/00 Out	USB	(AB)
E11	24-2	1900	6849	Mon	643/00 Out	USB	(AB)
E11	25-2	0645	12385	Tue	517/00 Out	USB	(AB)
E11	25-2	0645	12385	Tue	517/00 Out	USB	(Priyom)
E11	25-2	0715	14975	Tue	639/00 Out	USB	(AB)
E11	25-2	0745	13908	Tue	220/00 out	USB	(AB)
E11	25-2	0820	14611	Tue	136/00 Out	USB	(AB)
E11	25-2	0845	17378	Tue	151/00 Out	USB	(AB)
E11	25-2	1000	9079	Tue	300/00 Out	USB	(AB)
E11	25-2	1430	13363	Tue	914/00 Out	USB	(AB)
E11	25-2	1605	5432	Tue	235/00 Out	USB	(AB)
E11	26-2	0315	10448	Wed	252/00 Out	USB	(TM)
E11	26-2	0820	14611	Wed	132/00 Out	USB	(AB)
E11	26-2	0845	12067	Wed	713/00 Out	USB	(AB)
E11	26-2	0930	7469	Wed	271/00 Out	USB	(AB)
E11	26-2	1045	14410	Wed	697/00 Out	USB	(AB)
E11	26-2	1205	11559	Wed	466/00 Out	USB	(AB)
E11	26-2	1610	4505	Wed	390/00 Out	USB	(AB)
E11	27-2	0505	12153	Thu	337/00 Out	USB	(TM)
E11	27-2	0645	12385	Thu	514/00 Out	USB	(AB/Priyom)
E11	27-2	0720	8180	Thu	436/00 Out	USB	(PY)
E11	27-2	0745	13908	Thu	225/00	USB	(Lac)
E11	27-2	0845	17378	Thu	151/00 Out	USB	(AB)
E11	27-2	0930	7469	Thu	275/00 Out	USB	(AB)
E11	27-2	1300	4909	Thu	319/00 Out	USB	(AB-POL)
E11	27-2	1530	5409	Thu	262/00 Out	USB	(AB)
E11	27-2	1900	6849	Thu	640/00 Out	USB	(AB)
E11	27-2	2000	5082	Thu	525/00 Out	USB	(AB)
E11	28-2	0600	7850	Fri	353/00 Out	USB	(AB)
E11	28-2	0715	14975	Fri	636/00 Out	USB	(AB/Lac)
E11	28-2	0720	8180	Fri	436/00 Out	USB	(AB)

E11	28-2	0830	23353	Fri	183/00 Out	USB	(AB)
E11	28-2	1000	9079	Fri	308/00 Out	USB	(AB)
E11	28-2	1715	5082	Fri	970/00 Out	USB	(AB)
E11	28-2	1815	6849	Fri	928/00 Out	USB	(AB)
E11	28-2	1910	10487	Fri	614/00 Out	USB	(AB/Lac)
E11a	1-2	1530	4909	Sat	360/30 Attention 15482 20013 21538 ... 24017 23557 01714 Attention (msg rptd) Out	USB	(Subilo)
E11a	2-2	1530	4909	Sun	360/30 Attention 15482 20013 21538 ... 24017 23557 01714 Attention (msg rptd) Out	USB	(Subilo)
E11a	3-2	0315	12089	Mon	258/38 Attention (too weak to copy)	USB	(AB-POL)
E11a	3-2	0600	23004	Mon	945/36 Attention 40856 66329 34719 ... 98009 56415 97895 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	3-2	0830	23353	Mon	184/25 Attention 12509 68328 95987 ... 35675 25255 12010 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	3-2	1045	14410	Mon	696/34 Attention 70294 33852 00464 ... 12025 05912 07060 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-2	0645	12385	Tue	511/34 Attention 27538 64629 35534 ... 34215 05234 61503 Attention (msg rptd) Out	USB	(Priyom)
E11a	4-2	1205	11559	Tue	463/34 Attention 61139 59531 36429 ... 78512 94869 76588 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	4-2	1230	12153	Tue	331/32 Attention 33107 49178 54923 ... 38467 80344 45211 Attention (msg rptd) Out	USB	(Subilo)
E11a	4-2	1430	13363	Tue	912/34 Attention 25841 90042 43341 ... 75599 54222 97895 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-2	1605	5432	Tue	232/38 Attention 00159 87803 88208 ... 71797 22024 43961 Attention(msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-2	0600	23004	Wed	945/36 Attention 40856 66329 34719 ... 98009 56415 97895 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	5-2	0930	7469	Wed	275/37 Attention 88324 71889 40286 ... 01972 82708 43657 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-2	1045	14410	Wed	696/34 Attention 70294 33852 00464 ... 12025 05912 07060 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	5-2	1205	11559	Wed	463/34 Attention 61139 59531 36429 ... 78512 94869 76588 Attention (msg rptd) Out	USB	(AB)
E11a	6-2	0645	12385	Thu	511/34 Attention 27538 64629 35534 ... 34215 05234 61503 Attention (msg rptd) Out	USB	(Priyom)
E11a	6-2	0930	7469	Thu	275/37 Attention 88324 71889 40286 ... 01972 82708 43657 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-2	0930	7469	Thu	275/37, repeat from 2025-02-05	USB	(Lac)
E11a	6-2	1230	12153	Thu	331/32 Attention 33107 49178 54923 ... 38467 80344 45211 Attention (msg rptd) Out	USB	(Subilo)
E11a	6-2	2000	5082	Thu	522/37 Attention 74582 19224 88237 ... 48039 79221 03969 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-2	0600	7850	Fri	351/31 Attention 13190 75904 93101 ... 83035 39343 05958 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-2	0830	23353	Fri	184/25 Attention 12509 68328 95987 ... 35675 25255 12010 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-2	1910	10487	Fri	610/35 Attention 08104 91257 76804 ... 99124 46297 31099 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-2	1430	13363	Sat	912/34 Attention 25841 90042 43341 ... 75599 54222 97895 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-2	0600	7850	Sun	351/31 Attention 13190 75904 93101 ... 83035 39343 05958 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-2	1610	5432	Sun	232/38 Attention 00159 87803 88208 ... 71797 22024 43961 Attention(msg rptd) Out	USB	(AB/Subilo)
E11a	9-2	1910	10487	Sun	610/35 Attention 08104 91257 76804 ... 99124 46297 31099 Attention (msg rptd) Out	USB	(AB)
E11a	9-2	1910	10487	Sun	610/35 Attention 08104 91257 76804 ... 99124 46297 31099 Attention (msg rptd) Out	USB	(Subilo)
E11a	9-2	2000	5082	Sun	522/37 Attention 74582 19224 88237 ... 48039 79221 03969 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-2	0745	10213	Mon	261/35 Attention 91608 71592 03898 ... 15466 79909 63469 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-2	1300	4909	Mon	319/36 Attention 34943 75130 98588 ... 83492 93245 11403 Attention (msg rptd) Out	USB	(AB-POL/Subilo/Lac)
E11a	10-2	1900	6849	Mon	647/36 Attention 43023 52753 74465 ... 70489 62137 40649 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	11-2	0715	14975	Tue	631/40 Attention 35135 18025 38128 ... 67133 05302 61105 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	11-2	0820	14611	Tue	136/35 Attention 34795 75788 59627 ... 23679 16325 49365 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	12-2	0820	14611	Wed	136/35 Attention 34795 75788 59627 ... 23679 16325 49365 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-2	1715	5082	Wed	977/35 Attention 18343 71370 54492 ... 85537 41352 22313 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	13-2	1300	4909	Thu	319/36 Attention 34943 75130 98588 ... 83492 93245 11403 Attention (msg rptd) Out	USB	(AB-POL/Subilo)

E11a	13-2	1530	5409	Thu	261/35 Attention 91608 71592 03898 ... 15466 79909 63469 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	13-2	1900	6849	Thu	647/36 Attention 43023 52753 74465 ... 70489 62137 40649 Attention (msg rptd) Out	USB	(Subilo)
E11a	14-2	0715	14975	Fri	631/40 Attention 35135 18025 38128 ... 67133 05302 61105 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-2	1715	5082	Fri	977/35 Attention 18343 71370 54492 ... 85537 41352 22313 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-2	0845	12067	Mon	715/35 Attention 25407 61164 46012 ... 25184 71206 11998 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-2	1745	12924	Mon	240/32 Attention 80123 91592 95737 ... 98767 40419 74331 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	18-2	0745	13908	Tue	221/31 Attention 25867 51701 64752 ... 91649 45587 93350 Attention (msg rptd) out	USB	(AB/Subilo/Lac)
E11a	18-2	0845	17378	Tue	151/38 Attention 71378 99103 68053 ... 85496 39793 62651 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	18-2	1000	9079	Tue	302/40 Attention 11310 96147 46327 ... 40751 63386 13641 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	19-2	0845	12067	Wed	715/35 Attention 25407 61164 46012 ... 25184 71206 11998 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-2	1610	4505	Wed	390/40 Attention 05720 16006 19236 ... 72831 14259 36539 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	20-2	0745	13908	Thu	221/31 Attention 25867 51701 64752 ... 91649 45587 93350 Attention (msg rptd) out	USB	(AB/Subilo/Lac)
E11a	20-2	0845	17378	Thu	151/38 Attention 71378 99103 68053 ... 85496 39793 62651 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	21-2	1000	9079	Fri	302/40 Attention 11310 96147 46327 ... 40751 63386 13641 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	21-2	1815	6849	Fri	927/33 Attention 26937 95783 84139 ... 51540 76666 11804 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	22-2	0700	5371	Sat	495/31 Attention 19106 47845 08560 ... 08589 21618 37727 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-2	1610	4505	Sat	390/40 Attention 05720 16006 19236 ... 72831 14259 36539 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-2	0700	5371	Sun	495/31 Attention 19106 47845 08560 ... 08589 21618 37727 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-2	1745	12924	Sun	240/32 Attention 80123 91592 95737 ... 98767 40419 74331 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-2	1815	6849	Sun	927/33 Attention 26937 95783 84139 ... 51540 76666 11804 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-2	0715	20167	Mon	754/40 Attention 05704 30015 79047 ... 63753 08144 62069 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-2	0900	15915	Mon	532/40 Attention 88946 78594 51571 ... 85660 88857 29530 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-2	0700	6804	Tue	577/31 Attention 12985 65413 54411 ... 58537 62613 91313 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-2	0715	20167	Wed	754/40 Attention 05704 30015 79047 ... 63753 08144 62069 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	26-2	0745	17378	Wed	343/36 Attention 92258 20295 81993 ... 15261 00785 77919 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-2	0900	15915	Wed	532/40 Attention 88946 78594 51571 ... 85660 88857 29530 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-2	0700	6804	Fri	577/31 Attention 12985 65413 54411 ... 58537 62613 91313 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
E11a	28-2	0745	17378	Fri	343/36 Attention 92258 20295 81993 ... 15261 00785 77919 Attention (msg rptd) Out	USB	(AB/Subilo/Lac)
EGY	1-2	1125	17425	Sat	Egyptian diplo i.p.	CODAN	(AB)
EGY	5-2	1433	19667.7	Wed	Egyptian diplo	SITOR-A 100/170	(AB)
EGy	5-2	1435	19666	Wed	Egyptian diplo	CODAN	(AB)
EGY	11-2	1237	17426.7	Tue	MFA Cairo clg KXZ Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	11-2	1300	20056.7	Tue	MFA Cairo clg KXZ Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	11-2	1303	17426.7	Tue	MFA Cairo clg KXZ Egyptian embassy Pretoria	SITOR-A 100/170	(AB)
EGY	11-2	1305	17425	Tue	99902: MFA Cairo wkg 33317: Egyptian embassy Pretoria	CODAN	(AB)
EGY	11-2	1509	17426.7	Tue	MFA Cairo clg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	11-2	1511	17425	Tue	99903: MFA Cairo wkg 11106: Egyptian embassy Vienna	CODAN	(AB)
EGY	14-2	1458	16011.7	Fri	MFA Cairo clg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
EGY	14-2	1502	16010	Fri	99903: MFA Cairo wkg 11107: Egyptian embassy London	CODAN	(AB)
F01	3-2	0230	13370	Mon	Message 51	FSK 200/500	(PY)
F01	3-2	0240	11538	Mon	Message 51	FSK 200/500	(PY)
F01	3-2	0251	10614	Mon	Message 51	FSK 200/500	(PY)

F01	3-2	1015	12184	Mon	Message 55	FSK 200/500	(AB/HFD)
F01	3-2	1025	10169	Mon	Message 55	FSK 200/500	(AB/HFD-FIN)
F01	3-2	1035	8079	Mon	Message 55	FSK 200/500	(AB/HFD)
F01	4-2	0230	13370	Tue	Message 51	FSK 200/500	(PY)
F01	4-2	0240	11538	Tue	Message 51	FSK 200/500	(PY)
F01	4-2	0250	10614	Tue	Message 51	FSK 200/500	(PY)
F01	4-2	1015	12184	Tue	Messages 56 and 57	FSK 200/500	(AB)
F01	4-2	1025	10169	Tue	Messages 56 and 57	FSK 200/500	(AB)
F01	4-2	1035	8079	Tue	Messages 56 and 57	FSK 200/500	(AB)
F01	5-2	0230	13370	Wed	Messages 52 and 53 wrong shift	FSK 200/1000	(PY)
F01	5-2	0240	11538	Wed	Messages 52 and 53 wrong shift	FSK 200/1000	(PY)
F01	5-2	0256	10614	Wed	Messages 52 and 53	FSK 200/500	(PY)
F01	5-2	1015	12184	Wed	Message 58	FSK 200/500	(AB)
F01	5-2	1025	10169	Wed	Message 58	FSK 200/500	(AB)
F01	5-2	1035	8079	Wed	Message 58	FSK 200/500	(AB)
F01	6-2	0230	13370	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	6-2	0240	11538	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	6-2	0250	10614	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	6-2	1015	12184	Thu	Messages 59 and 60	FSK 200/500	(AB)
F01	6-2	1025	10169	Thu	Messages 59 and 60	FSK 200/500	(AB)
F01	6-2	1035	8079	Thu	Messages 59 and 60	FSK 200/500	(AB)
F01	7-2	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	7-2	1015	12184	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	7-2	1025	10169	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	7-2	1035	8079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-2	0230	13370	Mon	Message 54	FSK 200/500	(PY)
F01	10-2	0240	11538	Mon	Message 54	FSK 200/500	(PY)
F01	10-2	0250	10614	Mon	Message 54	FSK 200/500	(PY)
F01	10-2	1015	12184	Mon	Message 61	FSK 200/500	(AB)
F01	10-2	1025	10169	Mon	Message 61	FSK 200/500	(AB)
F01	10-2	1035	8079	Mon	Message 61	FSK 200/500	(AB)
F01	11-2	0230	13370	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	11-2	0240	11538	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	11-2	0250	10614	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	11-2	1015	12184	Tue	Messages 62 and 63	FSK 200/500	(AB)
F01	11-2	1025	10169	Tue	Messages 62 and 63	FSK 200/500	(AB)
F01	11-2	1035	8079	Tue	Messages 62 and 63	FSK 200/500	(AB)
F01	12-2	0230	13370	Wed	Message 55	FSK 200/500	(PY)
F01	12-2	0240	11538	Wed	Message 55	FSK 200/500	(PY)
F01	12-2	0250	10614	Wed	Message 55	FSK 200/500	(PY)
F01	12-2	1015	12184	Wed	Message 64	FSK 200/500	(AB)
F01	12-2	1025	10169	Wed	Message 64	FSK 200/500	(AB)

F01	12-2	1035	8079	Wed	Message 64	FSK 200/500	(AB)
F01	13-2	0230	13370	Thu	Message 55	FSK 200/500	(PY)
F01	13-2	0240	11538	Thu	Message 55	FSK 200/500	(PY)
F01	13-2	0250	10614	Thu	Message 55	FSK 200/500	(PY)
F01	13-2	1015	12184	Thu	Messages 65 and 66	FSK 200/500	(AB)
F01	13-2	1025	10169	Thu	Messages 65 and 66	FSK 200/500	(AB)
F01	13-2	1035	8079	Thu	Messages 65 and 66	FSK 200/500	(AB)
F01	14-2	0230	13370	Fri	+++++ +++++	FSK 200/500	(PY)
F01	14-2	1015	12184	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	14-2	1025	10169	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	14-2	1035	8079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-2	0230	13370	Mon	Message 56	FSK 200/500	(PY)
F01	17-2	0240	11538	Mon	Idle carrier	FSK 200/500	(PY)
F01	17-2	0250	10614	Mon	Message 56	FSK 200/500	(PY)
F01	17-2	1015	12184	Mon	Message 67	FSK 200/500	(AB)
F01	17-2	1025	10169	Mon	Message 67	FSK 200/500	(AB)
F01	17-2	1035	8079	Mon	Message 67	FSK 200/500	(AB)
F01	18-2	0230	13370	Tue	Message 56	FSK 200/500	(PY)
F01	18-2	0240	11538	Tue	Message 56	FSK 200/500	(PY)
F01	18-2	0250	10614	Tue	Message 56	FSK 200/500	(PY)
F01	18-2	1015	12184	Tue	Messages 65 and 66	FSK 200/500	(AB)
F01	18-2	1025	10169	Tue	Messages 65 and 66	FSK 200/500	(AB)
F01	18-2	1035	8079	Tue	Messages 65 and 66	FSK 200/500	(AB)
F01	19-2	0230	13370	Wed	Message 57	FSK 200/500	(PY)
F01	19-2	0240	11538	Wed	Message 57	FSK 200/500	(PY)
F01	19-2	0250	10614	Wed	Message 57	FSK 200/500	(PY)
F01	19-2	1015	12184	Wed	No transmission	FSK 200/500	(AB)
F01	19-2	1025	10169	Wed	No transmission	FSK 200/500	(AB)
F01	19-2	1035	8079	Wed	No transmission	FSK 200/500	(AB)
F01	20-2	0230	13370	Thu	Message 57	FSK 200/500	(PY)
F01	20-2	0240	11538	Thu	Message 57	FSK 200/500	(PY)
F01	20-2	0250	10614	Thu	Message 57	FSK 200/500	(PY)
F01	20-2	1015	12184	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	20-2	1025	10169	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	20-2	1035	8079	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	21-2	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	21-2	1015	12184	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	21-2	1025	10169	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	21-2	1035	8079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-2	0240	11538	Mon	Message 58 wrong shift	FSK 200/1000	(PY)
F01	24-2	0250	10614	Mon	Message 58 wrong shift	FSK 200/1000	(PY)
F01	24-2	1015	12184	Mon	Message 72	FSK 200/500	(AB)

F01	24-2	1025	10169	Mon	Message 72	FSK 200/500	(AB)
F01	24-2	1035	8079	Mon	Message 72	FSK 200/500	(AB)
F01	25-2	0230	13370	Tue	Message 58	FSK 200/500	(PY)
F01	25-2	0240	11538	Tue	Message 58	FSK 200/500	(PY)
F01	25-2	0250	10614	Tue	Message 58	FSK 200/500	(PY)
F01	25-2	1015	12184	Tue	Messages 73 and 74	FSK 200/500	(AB)
F01	25-2	1025	10169	Tue	Messages 73 and 74	FSK 200/500	(AB)
F01	25-2	1035	8079	Tue	Messages 73 and 74	FSK 200/500	(AB)
F01	26-2	0230	13370	Wed	Message 59	FSK 200/500	(PY)
F01	26-2	0240	11538	Wed	Message 59	FSK 200/500	(PY)
F01	26-2	0251	10614	Wed	Message 59	FSK 200/500	(PY)
F01	26-2	1015	12184	Wed	Message 75	FSK 200/500	(AB)
F01	26-2	1025	10169	Wed	Message 75	FSK 200/500	(AB)
F01	26-2	1035	8079	Wed	Message 75	FSK 200/500	(AB)
F01	27-2	0230	13370	Thu	Message 59	FSK 200/500	(PY)
F01	27-2	0240	11538	Thu	Message 59	FSK 200/500	(PY)
F01	27-2	0250	10614	Thu	Message 59	FSK 200/500	(PY)
F01	27-2	1015	12184	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	27-2	1025	10169	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	27-2	1035	8079	Thu	Messages 76 and 77	FSK 200/500	(AB)
F01	28-2	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	28-2	1015	12184	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-2	1025	10169	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-2	1035	8079	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F02	11-2	0746	14986	Tue	Russian domestic net. Test	FSK-4/150Bd/4000Hz	(AB)
F02	11-2	0800	14986	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	11-2	0822	12143	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	12-2	0700	16083	Wed	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	12-2	0711	14983	Wed	Russian domestic net. Test	FSK-4/150Bd/4000Hz	(AB)
F02	12-2	1007	17469	Wed	Russian domestic net	FSK-4/150Bd/4000Hz	(AB/PY)
F02	12-2	1020	17469	Wed	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	14-2	1437	18677	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	14-2	1453	14363	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	14-2	1500	14363	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	20-2	0722	20056	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F03j	3-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-2	0615	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	5-2	0620	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	5-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-2	0700	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	6-2	0710	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	6-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-2	0700	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	7-2	0710	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	10-2	0615	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-2	0620	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-2	0615	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-2	0620	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-2	0700	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	13-2	0710	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	13-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-2	0700	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(FD)
F03j	17-2	0615	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-2	0620	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-2	0615	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-2	0620	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-2	0700	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	20-2	0710	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	20-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-2	0700	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-2	0710	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-2	0615	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-2	0620	20586	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	26-2	0615	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-2	0620	20586	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-2	0700	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	27-2	0710	8803	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	27-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-2	0700	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-2	0710	8803	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	3-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0810	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0815	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0950	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-2	0955	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	4-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	4-2	0635	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	4-2	0640	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	4-2	0810	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0815	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	6-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	6-2	0635	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-2	0640	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	7-2	0810	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0815	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0850	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0855	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0810	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0815	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0950	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-2	0955	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	11-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	11-2	0635	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	11-2	0640	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	11-2	0810	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0815	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	13-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	13-2	0635	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-2	0640	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0810	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0815	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	14-2	0850	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0855	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0810	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0815	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0950	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-2	0955	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	18-2	0635	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-2	0640	25495	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-2	0810	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0815	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	20-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	20-2	0635	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-2	0640	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0810	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0815	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	21-2	0850	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0855	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0810	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0815	25366	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0950	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-2	0955	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0615	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	25-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0620	6891	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	25-2	0810	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0815	16335	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-2	0950	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-2	0955	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0615	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	27-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0620	6891	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Priyom)
F03I	27-2	0635	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-2	0640	25495	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0810	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0815	25366	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	28-2	0850	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0855	16335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-2	1700	9481	Sat	11100 00000 25641 31007 01839	FSK 200/1000	(AB/PY)
F06	1-2	1710	6957	Sat	11100 00000 25641 31007 01839	FSK 200/1000	(AB/PY)
F06	1-2	1720	5460	Sat	11100 00000 25641 31007 01839	FSK 200/1000	(AB/PY)
F06	2-2	0830	12167	Sun	11100 00000 25641 31007 01839	FSK 200/1000	(AB/PY)
F06	2-2	0840	9426	Sun	11100 00000 25641 31007 01839	FSK 200/1000	(AB/PY)
F06	2-2	0850	7526	Sun	11100 00000 25641 31007 01839	FSK 200/1000	(PY)
F06	2-2	1530	14983	Sun	11166 10053 32147 02001 00049 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	2-2	1540	13379	Sun	11166 10053 32147 02001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	2-2	1550	10498	Sun	11166 10053 32147 02001 00049 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-2	0100	17532	Mon	11100 09501 00000 03013 03309	FSK 200/1000	(PY)
F06	3-2	0800	10421	Mon	11100 00000 47281 31074 01039	FSK 200/1000	(AB/PY)
F06	3-2	0810	8016	Mon	11100 00000 47281 31074 01039	FSK 200/1000	(AB-S)
F06	3-2	0820	6812	Mon	11100 00000 47281 31074 01039	FSK 200/1000	(AB-S)
F06	4-2	0030	10919	Tue	11166 60070 19703 04001 00049 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	4-2	0040	9083	Tue	11166 60070 19703 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	4-2	0050	8176	Tue	11166 60070 19703 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	4-2	0100	17532	Tue	11100 09501 00000 03013 03309	FSK 200/1000	(PY)
F06	4-2	0500	6866	Tue	11166 70059 32147 03001 00049 00000 00000 00000	FSK 200/1000	(PY)
F06	4-2	0700	11048	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	0710	9244	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	0720	7319	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	0800	10421	Tue	11100 00000 47281 31074 01039	FSK 200/1000	(AB)
F06	4-2	0810	8016	Tue	11100 00000 47281 31074 01039	FSK 200/1000	(AB-S/PY)
F06	4-2	0820	6812	Tue	11100 00000 47281 31074 01039	FSK 200/1000	(AB-S)
F06	4-2	1200	11164	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	1210	9164	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	1220	7617	Tue	11166 70202 67831 03048 02179 and 11166 70202 68412 03049 01099	FSK 200/1000	(AB)
F06	4-2	1650	13377	Tue	11166 10053 98234 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	4-2	1700	12225	Tue	11166 10053 98234 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	4-2	1710	9139	Tue	11166 10053 98234 04001 00049 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	6-2	0700	11048	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)
F06	6-2	0710	9244	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)
F06	6-2	0720	7319	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)
F06	6-2	1200	11164	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)
F06	6-2	1210	9164	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)
F06	6-2	1220	7617	Thu	11166 70202 95142 05051 02239 and 11166 70202 32154 05052 01599	FSK 200/1000	(AB)

F06	6-2	1330	19237	Thu	11166 80214 19763 05076 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB/PY)
F06	6-2	1340	14979	Thu	11166 80214 19763 05076 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB)
F06	6-2	1350	12205	Thu	11166 80214 19763 05076 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB)
F06	7-2	0100	17532	Fri	11100 09501 00000 07056 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	7-2	0700	11048	Fri	11166 70202 78452 06025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	0710	9244	Fri	11166 70202 78452 06025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	0720	7319	Fri	11166 70202 78452 06025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-2	1700	9481	Sat	11100 00000 35740 07008 01579	FSK 200/1000	(AB/PY)
F06	8-2	1710	6957	Sat	11100 00000 35740 07008 01579	FSK 200/1000	(AB)
F06	8-2	1720	5460	Sat	11100 00000 35740 07008 01579	FSK 200/1000	(AB)
F06	9-2	0830	12167	Sun	11100 00000 35740 07008 01579	FSK 200/1000	(AB/PY)
F06	9-2	0840	9426	Sun	11100 00000 35740 07008 01579	FSK 200/1000	(AB/PY)
F06	9-2	0850	7526	Sun	11100 00000 35740 07008 01579	FSK 200/1000	(AB/PY)
F06	9-2	1530	14983	Sun	11166 10053 78923 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-2	1540	13379	Sun	11166 10053 78923 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-2	1550	10498	Sun	11166 10053 78923 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-2	0100	17532	Mon	11100 09501 00000 10014 02619	FSK 200/1000	(PY)
F06	10-2	0800	10421	Mon	11100 00000 18745 07075 03559	FSK 200/1000	(AB/PY)
F06	10-2	0810	8016	Mon	11100 00000 18745 07075 03559	FSK 200/1000	(AB-S)
F06	10-2	0820	6812	Mon	11100 00000 18745 07075 03559	FSK 200/1000	(AB-S)
F06	11-2	0030	10919	Tue	11166 60070 57138 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	11-2	0040	9083	Tue	11166 60070 57138 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-2	0050	8176	Tue	11166 60070 57138 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-2	0100	17532	Tue	11100 09501 00000 10014 02619. Strange, undecodable TX sounding like a very truncated F06 looped for a minute before the message	FSK 200/1000	(PY)
F06	11-2	0110	16351	Tue	11100 09501 00000 10014 02619	FSK 200/1000	(PY)
F06	11-2	0120	14428	Tue	11100 09501 00000 10014 02619	FSK 200/1000	(PY)
F06	11-2	0700	11048	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	0710	9244	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	0720	7319	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	0800	10421	Tue	11100 00000 18745 07075 03559	FSK 200/1000	(AB/PY)
F06	11-2	0810	8016	Tue	11100 00000 18745 07075 03559	FSK 200/1000	(AB-S)
F06	11-2	0820	6812	Tue	11100 00000 18745 07075 03559	FSK 200/1000	(AB-S)
F06	11-2	1200	11164	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	1210	9164	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	1220	7617	Tue	11166 70202 18754 10054 02339 and 11166 70202 87653 10055 01059	FSK 200/1000	(AB)
F06	11-2	1650	13377	Tue	11166 10053 32147 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	11-2	1700	12225	Tue	11166 10053 32147 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-2	1710	9139	Tue	11166 10053 32147 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-2	0700	11048	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)
F06	13-2	0710	9244	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)
F06	13-2	0720	7319	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)

F06	13-2	1200	11164	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)
F06	13-2	1210	9164	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)
F06	13-2	1220	7617	Thu	11166 70202 25846 12057 01179 and 11166 70202 36851 12058 02239	FSK 200/1000	(AB)
F06	13-2	1330	19237	Thu	11166 80214 89562 12066 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB/PY)
F06	13-2	1340	14979	Thu	11166 80214 89562 12066 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB)
F06	13-2	1350	12205	Thu	11166 80214 89562 12066 00049 00000 00000 00000 00000 (wrong date in header)	FSK 200/1000	(AB)
F06	14-2	0100	17532	Fri	11100 09501 00000 14048 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-2	0700	11048	Fri	11166 70202 79465 14075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-2	0710	9244	Fri	11166 70202 79465 14075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-2	0720	7319	Fri	11166 70202 79465 14075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-2	1700	9481	Sat	11100 00000 45710 14009 02139	FSK 200/1000	(AB/PY)
F06	15-2	1710	6957	Sat	11100 00000 45710 14009 02139	FSK 200/1000	(AB)
F06	15-2	1720	5460	Sat	11100 00000 45710 14009 02139	FSK 200/1000	(AB)
F06	16-2	0830	12167	Sun	11100 00000 45710 14009 02139	FSK 200/1000	(AB)
F06	16-2	0840	9426	Sun	11100 00000 45710 14009 02139	FSK 200/1000	(AB)
F06	16-2	0850	7526	Sun	11100 00000 45710 14009 02139	FSK 200/1000	(AB)
F06	16-2	1530	14983	Sun	11166 10053 57136 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	16-2	1540	13379	Sun	11166 10053 57136 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-2	1550	10498	Sun	11166 10053 57136 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-2	0100	17532	Mon	11100 09501 00000 17015 03049	FSK 200/1000	(PY)
F06	17-2	0500	6866	Mon	11166 70059 57138 17001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	17-2	0800	10421	Mon	11100 00000 57320 14076 06759	FSK 200/1000	(AB)
F06	17-2	0810	8016	Mon	11100 00000 57320 14076 06759	FSK 200/1000	(AB-S/PY)
F06	17-2	0820	6812	Mon	11100 00000 57320 14076 06759	FSK 200/1000	(AB-S)
F06	18-2	0030	10919	Tue	11166 60070 90451 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-2	0040	9083	Tue	11166 60070 90451 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-2	0050	8176	Tue	11166 60070 90451 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-2	0100	17532	Tue	11100 09501 00000 17015 03049	FSK 200/1000	(PY)
F06	18-2	0700	11048	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	0710	9244	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	0720	7319	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	0800	10421	Tue	11100 00000 57320 14076 06759	FSK 200/1000	(AB)
F06	18-2	0810	8016	Tue	11100 00000 57320 14076 06759	FSK 200/1000	(AB-S)
F06	18-2	0820	6812	Tue	11100 00000 57320 14076 06759	FSK 200/1000	(AB-S)
F06	18-2	1200	11164	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	1210	9164	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	1220	7617	Tue	11166 70202 85631 17060 01939 and 11166 70202 42397 17061 01959	FSK 200/1000	(AB)
F06	18-2	1650	13377	Tue	11166 10053 95123 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-2	1700	12225	Tue	11166 10053 95123 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-2	1710	9139	Tue	11166 10053 95123 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-2	1700	12211	Wed	11100 00000 24819 18014 00049 48516 24853 17534 00000	FSK 200/1000	(PY)
F06	19-2	1715	10576	Wed	11100 00000 24819 18014 00049 48516 24853 17534 00000	FSK 200/1000	(PY)

F06	19-2	1730	8075	Wed	11100 00000 24819 18014 00049 48516 24853 17534 00000	FSK 200/1000	(PY)
F06	20-2	0700	11048	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	0710	9244	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	0720	7319	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	1200	11164	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	1210	9164	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	1220	7617	Thu	11166 70202 05473 19063 00579 and 11166 70202 35964 19064 02759	FSK 200/1000	(AB)
F06	20-2	1330	19237	Thu	11166 80214 24863 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	20-2	1340	14979	Thu	11166 80214 24863 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Rycat)
F06	20-2	1350	12205	Thu	11166 80214 24863 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Rycat)
F06	21-2	0100	17532	Fri	11100 09501 35489 21783 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	21-2	0700	11048	Fri	11166 70202 15923 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-2	0710	9244	Fri	11166 70202 15923 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-2	0720	7319	Fri	11166 70202 15923 21086 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-2	1700	9481	Sat	11100 00000 25891 21010 01959	FSK 200/1000	(AB)
F06	22-2	1710	6957	Sat	11100 00000 25891 21010 01959	FSK 200/1000	(AB)
F06	22-2	1720	5460	Sat	11100 00000 25891 21010 01959	FSK 200/1000	(AB/PY)
F06	23-2	0830	12167	Sun	11100 00000 25891 21010 01959	FSK 200/1000	(AB/PY)
F06	23-2	0840	9426	Sun	11100 00000 25891 21010 01959	FSK 200/1000	(AB)
F06	23-2	0850	7526	Sun	11100 00000 25891 21010 01959	FSK 200/1000	(AB)
F06	23-2	1530	14983	Sun	11166 10053 25813 23078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-2	1540	13379	Sun	11166 10053 25813 23078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-2	1550	10498	Sun	11166 10053 25813 23078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-2	0100	17532	Mon	11100 09501 00000 24016 04439	FSK 200/1000	(PY)
F06	24-2	0800	10421	Mon	11100 00000 64320 21077 05239	FSK 200/1000	(AB)
F06	24-2	0810	8016	Mon	11100 00000 64320 21077 05239	FSK 200/1000	(AB-FIN/PY)
F06	24-2	0820	6812	Mon	11100 00000 64320 21077 05239	FSK 200/1000	(AB-FIN)
F06	25-2	0030	10919	Tue	11166 60070 34785 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-2	0040	9083	Tue	11166 60070 34785 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-2	0050	8176	Tue	11166 60070 34785 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-2	0100	17532	Tue	11100 09501 00000 24016 04439	FSK 200/1000	(PY)
F06	25-2	0700	11048	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	0710	9244	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	0720	7319	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	0800	10421	Tue	11100 00000 64320 21077 05239	FSK 200/1000	(AB/PY)
F06	25-2	0810	8016	Tue	11100 00000 64320 21077 05239	FSK 200/1000	(AB-S)
F06	25-2	0820	6812	Tue	11100 00000 64320 21077 05239	FSK 200/1000	(AB-S)
F06	25-2	1200	11164	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	1210	9164	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	1220	7617	Tue	11166 70202 96742 24066 01539 and 11166 70202 23457 24067 01759	FSK 200/1000	(AB)
F06	25-2	1650	13377	Tue	11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-2	1700	12225	Tue	11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	25-2	1710	9139	Tue	11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-2	0700	11048	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	0710	9244	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	0720	7319	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	1200	11164	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	1210	9164	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	1220	7617	Thu	11166 70202 16582 26069 01639 and 11166 70202 35864 26070 01859	FSK 200/1000	(AB)
F06	27-2	1330	19237	Thu	11166 80214 95836 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-2	1340	14979	Thu	11166 80214 95836 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-2	1350	12205	Thu	11166 80214 95836 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-2	1700	12211	Thu	11100 00000 91452 26058 00049 31578 20584 75834 00000	FSK 200/1000	(AB/PY)
F06	27-2	1715	10576	Thu	11100 00000 91452 26058 00049 31578 20584 75834 00000	FSK 200/1000	(AB/PY)
F06	27-2	1730	8075	Thu	11100 00000 91452 26058 00049 31578 20584 75834 00000	FSK 200/1000	(AB/PY)
F06	28-2	0100	17532	Fri	11100 09501 00000 28012 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	28-2	0700	11048	Fri	11166 70202 91586 28037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-2	0710	9244	Fri	11166 70202 91586 28037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-2	0720	7319	Fri	11166 70202 91586 28037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-2	1700	12211	Fri	11100 00000 19276 27076 00049 95182 35468 96314 00000	FSK 200/1000	(AB/PY)
F06	28-2	1715	10576	Fri	11100 00000 19276 27076 00049 95182 35468 96314 00000	FSK 200/1000	(AB/PY)
F06	28-2	1730	8075	Fri	11100 00000 19276 27076 00049 95182 35468 96314 00000	FSK 200/1000	(AB/PY)
F06a	1-2	0700	10169	Sat	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(AB/PY)
F06a	1-2	0715	9328	Sat	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(AB/PY)
F06a	1-2	0730	8024	Sat	File 44038 (2115 bytes, binary contents)	FSK 200/1000	(AB/PY)
F06a	3-2	0700	11048	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	3-2	0730	7319	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	3-2	1200	11164	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	3-2	1215	9164	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	3-2	1230	7617	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	3-2	7015	9244	Mon	File 44447 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	0100	17532	Wed	File ZFD_046 (2048 bytes) 44400 09501 00000 05046 00009	FSK 200/1000	(PY)
F06a	5-2	0600	13997	Wed	File 14428 (binary contents)	FSK 200/1000	(PY)
F06a	5-2	0615	15627	Wed	File 14428 (binary contents)	FSK 200/1000	(PY)
F06a	5-2	0630	17529	Wed	File 14428 (binary contents)	FSK 200/1000	(PY)
F06a	5-2	0700	11048	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	0730	7319	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	1200	11164	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	1215	9164	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	1230	7617	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	5-2	7015	9244	Wed	File 44450 (binary contents)	FSK 200/1000	(AB)
F06a	6-2	0100	17532	Thu	File ZFD_046 (2048 bytes) 44400 09501 00000 05046 00009	FSK 200/1000	(PY)
F06a	6-2	0600	13997	Thu	File 14428 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	6-2	0615	15627	Thu	File 14428 (binary contents)	FSK 200/1000	(AB-GRC)

F06a	6-2	0630	17529	Thu	File 14428 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	10-2	0700	11048	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	10-2	0730	7319	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	10-2	1200	11164	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	10-2	1215	9164	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	10-2	1230	7617	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	10-2	7015	9244	Mon	File 44453 (binary contents)	FSK 200/1000	(AB)
F06a	11-2	1700	12211	Tue	Active	FSK 200/1000	(FD)
F06a	11-2	1715	10576	Tue	Active	FSK 200/1000	(FD)
F06a	11-2	1730	8075	Tue	Active	FSK 200/1000	(FD)
F06a	12-2	0100	17532	Wed	File ZFD_047 (1536 bytes) 44400 09501 00000 12047 00009	FSK 200/1000	(PY)
F06a	12-2	0600	13997	Wed	File 42429 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	12-2	0615	15627	Wed	File 42429 (binary contents)	FSK 200/1000	(AB-S)
F06a	12-2	0630	17529	Wed	File 42429 (binary contents)	FSK 200/1000	(AB-S)
F06a	12-2	0700	11048	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	12-2	0730	7319	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	12-2	1200	11164	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	12-2	1215	9164	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	12-2	1230	7617	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	12-2	1700	12211	Wed	File 44413 (789 bytes) empty text header and file 44414 (1865 bytes) empty text header	FSK 200/1000	(PY)
F06a	12-2	1715	10576	Wed	File 44413 (789 bytes) empty text header and file 44414 (1865 bytes) empty text header	FSK 200/1000	(PY)
F06a	12-2	1730	8075	Wed	File 44413 (789 bytes) empty text header and file 44414 (1865 bytes) empty text header	FSK 200/1000	(PY)
F06a	12-2	7015	9244	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	13-2	0100	17532	Thu	File ZFD_047 (1536 bytes) 44400 09501 00000 12047 00009	FSK 200/1000	(PY)
F06a	13-2	0600	13997	Thu	File 42429 (binary contents)	FSK 200/1000	(AB-GRC/PY)
F06a	13-2	0615	15627	Thu	File 42429 (binary contents)	FSK 200/1000	(AB-S)
F06a	13-2	0630	17529	Thu	File 42429 (binary contents)	FSK 200/1000	(AB-S)
F06a	13-2	1700	12211	Thu	File 44415 and File 44416 (binary contents)	FSK 200/1000	(PY)
F06a	13-2	1715	10576	Thu	File 44415 and File 44416 (binary contents)	FSK 200/1000	(PY)
F06a	13-2	1730	8075	Thu	File 44415 and File 44416 (binary contents)	FSK 200/1000	(PY)
F06a	14-2	1700	12211	Fri	File 44415 (binary contents) and File 44416 (binary contents)	FSK 200/1000	(AB/PY)
F06a	14-2	1715	10576	Fri	File 44415 (binary contents) and File 44416 (binary contents)	FSK 200/1000	(AB/PY)
F06a	14-2	1730	8075	Fri	File 44415 (binary contents) and File 44416 (binary contents)	FSK 200/1000	(PY)
F06a	17-2	0700	11048	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	17-2	0730	7319	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	17-2	1200	11164	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	17-2	1215	9164	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	17-2	1230	7617	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	17-2	7015	9244	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)

F06a	19-2	0100	17532	Wed	File ZFD_048 (1331 bytes) 44400 09501 00000 19048 00009	FSK 200/1000	(PY)
F06a	19-2	0600	13997	Wed	File 44530 (binary contents)	FSK 200/1000	(AB/PY)
F06a	19-2	0615	15627	Wed	File 44530 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	0630	17529	Wed	File 44530 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	0700	11048	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	0730	7319	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	1200	11164	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	1215	9164	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	1230	7617	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	19-2	7015	9244	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	20-2	0100	17532	Thu	File ZFD_048 (1331 bytes) 44400 09501 00000 19048 00009	FSK 200/1000	(PY)
F06a	20-2	0600	13997	Thu	File 44530 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-2	0615	15627	Thu	File 44530 (binary contents)	FSK 200/1000	(AB)
F06a	20-2	0630	17529	Thu	File 44530 (binary contents)	FSK 200/1000	(AB)
F06a	20-2	1700	12211	Thu	Files 44418 and 44419 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-2	1715	10576	Thu	Files 44418 and 44419 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-2	1730	8075	Thu	Files 44418 and 44419 (binary contents)	FSK 200/1000	(AB/PY)
F06a	21-2	1700	12211	Fri	Files 44418 and 44419 (binary contents). Wrong shift	FSK 200/500	(AB/PY)
F06a	21-2	1715	10576	Fri	Files 44418 and 44419 (binary contents). Wrong shift	FSK 200/500	(AB/PY)
F06a	21-2	1730	8075	Fri	Files 44418 and 44419 (binary contents). Wrong shift	FSK 200/500	(AB/PY)
F06a	24-2	0700	11048	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	24-2	0730	7319	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	24-2	1200	11164	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	24-2	1215	9164	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	24-2	1230	7617	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	24-2	7015	9244	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	25-2	1700	12211	Tue	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	25-2	1715	10576	Tue	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	25-2	1730	8075	Tue	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	26-2	0100	17532	Wed	File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009	FSK 200/1000	(PY)
F06a	26-2	0116	16351	Wed	File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009	FSK 200/1000	(PY)
F06a	26-2	0130	14428	Wed	File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009	FSK 200/1000	(PY)
F06a	26-2	0600	13997	Wed	File 84431 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	0615	15627	Wed	File 84431 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-2	0630	17529	Wed	File 84431 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	0700	11048	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	0730	7319	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	1200	11164	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	1215	9164	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)

F06a	26-2	1230	7617	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	26-2	1700	12211	Wed	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	26-2	1715	10576	Wed	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	26-2	1730	8075	Wed	File 44420 (2121 bytes) empty text header and file 44421 (2017 bytes) empty text header	FSK 200/1000	(PY)
F06a	26-2	7015	9244	Wed	File 44468 (binary contents)	FSK 200/1000	(AB)
F06a	27-2	0100	17532	Thu	File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009	FSK 200/1000	(PY)
F06a	27-2	0115	16351	Thu	File ZFD_049 (2161 bytes) 44400 09501 00000 26049 00009	FSK 200/1000	(PY)
F06a	27-2	0600	13997	Thu	File 84431 (binary contents)	FSK 200/1000	(AB/PY)
F06a	27-2	0615	15627	Thu	File 84431 (binary contents)	FSK 200/1000	(AB)
F06a	27-2	0630	17529	Thu	File 84431 (binary contents)	FSK 200/1000	(AB)
F06a	28-2	2000	6844	Fri	File 04439 (2525 bytes)	FSK 200/1000	(PY)
F06a	28-2	2015	5375	Fri	File 04439 (2525 bytes)	FSK 200/1000	(PY)
F06a	28-2	2030	4487	Fri	File 04439 (2525 bytes)	FSK 200/1000	(PY)
F07	4-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	18-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	5-2	0639	13200	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	5-2	0654	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	5-2	0700	13200	Wed	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	5-2	0730	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-2	0655	16252	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	6-2	0707	13200	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	7-2	0632	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0639	13200	Tue	DPRK embassy Moscow clg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0639	16252	Tue	DPRK embassy Moscow wkg DPRK embassy Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0648	16252	Tue	DPRK embassy Moscow clg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0656	14300	Tue	DPRK embassy Moscow clg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0702	13200	Tue	DPRK embassy Moscow clg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0705	11045	Tue	DPRK embassy Moscow clg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	0728	14300	Tue	DPRK embassy Moscow clg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-2	1331	13200	Tue	DPRK embassy Moscow clg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-2	0647	16252	Fri	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-2	1236	16252	Fri	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-2	1534	14650	Fri	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	20-2	0734	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600	(AB)
KRE	20-2	0805	15500	Thu	DPRK embassy Moscow qkg DPRK embassy Bucharest	DPRK-ARQ 600/600	(AB)

KRE	20-2	1227	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600	(AB)
KRE	20-2	1235	18650	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600	(AB)
KRE	20-2	1256	18650	Thu	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600	(AB)
KRE	20-2	1258	18655	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600	(AB)
KRE	20-2	1327	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600	(AB)
KRE	20-2	1328	13200	Thu	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600	(AB)
KRE	20-2	1411	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600	(AB)
KRE	20-2	1411	18650	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600	(AB)
KRE	20-2	1424	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600	(AB)
KRE	20-2	1458	16250	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 1200/600	(AB)
KRE	24-2	0704	13200	Mon	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1226	16252	Mon	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1245	16252	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1301	16252	Mon	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1306	14666	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1308	16252	Mon	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-2	1410	16252	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0628	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0628	16252	Thu	DPRK embassy Moscow wkg DPRK permanent mission to the UN	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0650	13200	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0650	16252	Thu	DPRK embassy Moscow clg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0700	13200	Thu	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	0810	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	1210	16252	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	1228	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	1305	16252	Thu	DPRK embassy Moscow wkg DPRK permanent mission to the UN	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-2	1314	18650	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	28-2	0632	16252	Fri	DPRK embassy Moscow wkg DPRK permanent mission to the UN	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	0634	13200	Fri	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	0659	13200	Fri	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	0659	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	0728	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	1228	18650	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	28-2	1258	16252	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
M01	1-2	1500	5810	Sat	197 142 142 30 30 == 47398 18716 43125 ... 75848 16524 01756 == 142 142 30 30 000	CW	(AB)
M01	2-2	0700	5465	Sun	197 601 601 30 30 == 17462 20931 15446 ... 18749 16526 15425 == 601 601 30 30 000	CW	(AB)
M01	4-2	1800	5320	Tue	197 617 617 30 30 == 45632 12937 34452 ... 35456 12388 36745 == 617 617 30 30 000	CW	(AB)
M01	4-2	2000	4490	Tue	197 421 421 30 30 == 62344 45672 56573 ... 78346 56712 46754 == 421 421 30 30 000	CW	(AB)
M01	6-2	1800	5320	Thu	197 357 357 30 30 44756 22431 40989 ... 48756 79809 23354 357 357 30 30 000	CW	(AB)
M01	6-2	2000	4490	Thu	197 644 644 30 30 68798 15423 57687 ... 38879 48789 49090 644 644 30 30 000	CW	(AB)
M01	8-2	0716	9566	Sat	475 166 166 50 50 == 88609 03136 73404 ... 88744 43702 7888 == 166 166 50 50 000	CW	(PY)
M01	8-2	1500	5810	Sat	197 298 298 30 30 == 75612 93013 56091 ... 23087 34155 76431 == 298 298 30 30 000	CW	(AB)

M01	9-2	0700	5465	Sun	197 354 354 30 30 46523 12768 45832 ... 80011 76852 09851 354 354 30 30 000	CW	(AB)
M01	11-2	1800	5320	Tue	197 409 409 30 30 = = 32981 90832 76976 ... 86921 off after group 12	CW	(AB)
M01	11-2	2000	4490	Tue	197 110 110 30 30 = = 85763 56412 12315 ... 08065 33654 3365 10 = = 110 110 30 30 000	CW	(AB)
M01	13-2	1800	5320	Thu	197 ... unreadable	CW	(AB)
M01	13-2	2000	4490	Thu	197 ... unreadable	CW	(AB)
M01	15-2	1500	5810	Sat	197 412 412 30 30 = = 37465 80976 10034 ... 13209 32006 75689 = = 412 412 30 30 000 Sent only 29 groups	CW	(AB)
M01	18-2	1800	5320	Tue	197 678 678 30 30 = = 99709 57664 13243 ... 60098 67765 22435 = = 678 678 30 30 000	CW	(AB)
M01	18-2	2000	4490	Tue	197 887 887 30 30 = = 68755 23433 15543 ... 89876 48765 12344 = = 888 30 30 000	CW	(AB)
M01	20-2	1800	5320	Thu	197 659 659 30 30 50591 85403 66831 ... 72394 74594 72919 659 659 30 30 000	CW	(AB)
M01	20-2	2000	4490	Thu	197 427 427 30 30 90901 85493 59204 ... 76932 84230 85434 427 427 30 30 000	CW	(AB)
M01	22-2	1500	5810	Sat	197 406 406 30 30 = = 55876 20097 48756 ... 15646 58767 10978 = = 406 406 30 30 = 000	CW	(AB)
M01	23-2	0700	5465	Sun	197 496 496 30 30 = = 68798 13243 35465 ... 22980 69878 58800 496 496 30 30 000	CW	(AB)
M01	27-2	1800	5320	Thu	197 072 072 30 30 = = 12342 46573 89054 ... 44635 23345 88965 = = 072 072 30 30 000	CW	(AB)
M01	27-2	2000	4490	Thu	197 437 437 30 30 = = (too poor to copy)	CW	(AB/HFD)
M12	1-2	2200	5832	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB/HFD)
M12	1-2	2220	6832	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB/HFD)
M12	1-2	2240	7732	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	2-2	2310	12137	Sun	192 192 192 1 ...	CW	(HFD)
M12	2-2	2330	10937	Sun	192 192 192 1 ...	CW	(HFD)
M12	2-2	2350	10237	Sun	192 192 192 1 ...	CW	(HFD)
M12	3-2	0010	17461	Mon	418 418 418 1 ...	CW	(HFD-J)
M12	3-2	0030	16161	Mon	418 418 418 1 ...	CW	(HFD-J)
M12	3-2	0050	15861	Mon	418 418 418 1 ...	CW	(HFD-J)
M12	4-2	0300	17437	Tue	495 495 495 1 ...	CW	(HFD-J)
M12	4-2	0320	15937	Tue	495 495 495 1 ...	CW	(HFD-J)
M12	4-2	0340	14537	Tue	495 495 495 1 ...	CW	(HFD-J)
M12	4-2	1100	11519	Tue	289 289 289 1 8879 57 8879 57 06256 19275 56154 ... 62925 99737 48513 000 000	CW	(AB)
M12	4-2	1120	12194	Tue	289 289 289 1 8879 57 8879 57 06256 19275 56154 ... 62925 99737 48513 000 000	CW	(AB)
M12	4-2	1140	12407	Tue	289 289 289 1 8879 57 8879 57 06256 19275 56154 ... 62925 99737 48513 000 000	CW	(AB)
M12	5-2	2000	7674	Wed	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB)
M12	5-2	2020	6874	Wed	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB)
M12	5-2	2040	5774	Wed	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB)
M12	6-2	1800	11435	Thu	938 938 938 9735 83 9735 83 60579 67901 69451 ... 21444 45366 24886 000 000	CW	(AB)
M12	6-2	1820	10598	Thu	938 938 938 9735 83 9735 83 60579 67901 69451 ... 21444 45366 24886 000 000	CW	(AB)
M12	6-2	1840	9327	Thu	938 938 938 9735 83 9735 83 60579 67901 69451 ... 21444 45366 24886 000 000	CW	(AB)
M12	7-2	2000	7674	Fri	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB/HFD)
M12	7-2	2020	6874	Fri	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB/HFD)
M12	7-2	2040	5774	Fri	687 687 687 1 6162 39 6162 39 84914 43037 59500 ... 90224 97556 35475 000 000	CW	(AB/HFD)
M12	7-2	2200	5832	Fri	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)

M12	7-2	2220	6832	Fri	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	7-2	2240	7732	Fri	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	8-2	2200	5832	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	8-2	2220	6832	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	8-2	2240	7732	Sat	887 887 887 1 711 201 711 201 73958 75504 05322 ... 07072 58848 71611 000 000	CW	(AB)
M12	10-2	2300	9362	Mon	451 451 451 1 ...	CW	(HFD)
M12	10-2	2320	8062	Mon	451 451 451 1 ...	CW	(HFD)
M12	10-2	2340	6462	Mon	451 451 451 1 ...	CW	(HFD)
M12	11-2	1100	11519	Tue	289 289 289 8095 56 8095 56 80994 05987 19910 ... 53946 98664 12619 000 000	CW	(AB)
M12	11-2	1120	12194	Tue	289 289 289 8095 56 8095 56 80994 05987 19910 ... 53946 98664 12619 000 000	CW	(AB)
M12	11-2	1140	12407	Tue	289 289 289 8095 56 8095 56 80994 05987 19910 ... 53946 98664 12619 000 000	CW	(AB)
M12	12-2	2000	7674	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	12-2	2020	6874	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	12-2	2040	5774	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	13-2	1800	11435	Thu	938 938 938 1 9741 84 9741 84 64094 01633 71509 ... 94752 08237 62639 000 000	CW	(AB)
M12	13-2	1820	10598	Thu	938 938 938 1 9741 84 9741 84 64094 01633 71509 ... 94752 08237 62639 000 000	CW	(AB)
M12	13-2	1840	9327	Thu	938 938 938 1 9741 84 9741 84 64094 01633 71509 ... 94752 08237 62639 000 000	CW	(AB)
M12	14-2	2000	7674	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	14-2	2020	6874	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	14-2	2040	5774	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	14-2	2200	5832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	14-2	2200	5832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	14-2	2220	6832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	14-2	2220	6832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	14-2	2240	7732	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	14-2	2240	7732	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	18-2	1100	11519	Tue	289 289 289 1 6403 61 6403 61 95143 17678 92698 ... 16764 24329 07162 05035 000 000	CW	(AB)
M12	18-2	1120	12194	Tue	289 289 289 1 6403 61 6403 61 95143 17678 92698 ... 16764 24329 07162 05035 000 000	CW	(AB)
M12	18-2	1140	12407	Tue	289 289 289 1 6403 61 6403 61 95143 17678 92698 ... 16764 24329 07162 05035 000 000	CW	(AB)
M12	19-2	2000	7674	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	19-2	2020	6874	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	19-2	2040	5774	Wed	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	20-2	1800	11435	Thu	938 938 938 1 9029 83 9029 83 30089 01095 82555 ... 26714 66671 49113 000 000	CW	(AB)
M12	20-2	1820	10598	Thu	938 938 938 1 9029 83 9029 83 30089 01095 82555 ... 26714 66671 49113 000 000	CW	(AB)
M12	20-2	1840	9327	Thu	938 938 938 1 9029 83 9029 83 30089 01095 82555 ... 26714 66671 49113 000 000	CW	(AB)
M12	21-2	2000	7674	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	21-2	2020	6874	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	21-2	2040	5774	Fri	687 687 687 1 378 77 378 77 14874 91005 71395 ... 18045 94756 05782 000 000	CW	(AB)
M12	21-2	2200	5832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)

M12	21-2	2220	6832	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	21-2	2240	7732	Fri	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	22-2	2200	5832	Sat	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	22-2	2220	6832	Sat	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	22-2	2240	7732	Sat	887 887 887 1 5932 246 5932 246 10303 01968 12065 ... 25530 31809 09184 000 000	CW	(AB)
M12	24-2	2300	9362	Mon	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(RL)
M12	24-2	2320	8062	Mon	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(RL)
M12	24-2	2340	7462	Mon	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(RL)
M12	25-2	1100	11519	Tue	289 289 289 1 3035 61 3035 61 48957 38480 56893 ... 63763 49017 26810 000 000	CW	(AB)
M12	25-2	1120	12194	Tue	289 289 289 1 3035 61 3035 61 48957 38480 56893 ... 63763 49017 26810 000 000	CW	(AB)
M12	25-2	1140	12407	Tue	289 289 289 1 3035 61 3035 61 48957 38480 56893 ... 63763 49017 26810 000 000	CW	(AB)
M12	26-2	2000	7674	Wed	687 687 687 000	CW	(AB)
M12	26-2	2020	6874	Wed	687 687 687 000	CW	(AB)
M12	26-2	2310	12137	Wed	192 192 192 000	CW	(RL)
M12	26-2	2320	10937	Wed	192 192 192 000	CW	(RL)
M12	27-2	1800	11435	Thu	938 938 938 1 1282 79 1282 79 15733 25066 34473 ... 98493 30119 06153 000 000	CW	(AB)
M12	27-2	1820	10598	Thu	938 938 938 1 1282 79 1282 79 15733 25066 34473 ... 98493 30119 06153 000 000	CW	(AB)
M12	27-2	1840	9327	Thu	938 938 938 1 1282 79 1282 79 15733 25066 34473 ... 98493 30119 06153 000 000	CW	(AB)
M12	27-2	2300	9362	Thu	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(TM)
M12	27-2	2320	8062	Thu	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(TM)
M12	27-2	2340	7462	Thu	451 451 451 1 2976 73 2976 73 64198 90936 65983 ... 02723 57671 15950 000 000	CW	(TM)
M12	28-2	2000	7674	Fri	687 687 687 000	CW	(AB)
M12	28-2	2020	6874	Fri	687 687 687 000	CW	(AB)
M12	28-2	2200	5832	Fri	887 887 887 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	28-2	2220	6832	Fri	887 887 887 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	28-2	2240	7732	Fri	887 887 887 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M14	3-2	0500	12211	Mon	No transmission. At 0514: 9 slow dots	CW	(AB/Subilo)
M14	3-2	0520	10243	Mon	952 610 610 53 53 = = 41769 29152 74099 ... 79193 91905 92739 = = 610 610 53 53 00000	CW	(AB/Subilo)
M14	4-2	0500	12211	Tue	952 610 610 53 53 = = 41769 29152 74099 ... 79193 91905 92739 = = 610 610 53 53 00000	CW	(AB/Subilo)
M14	4-2	0520	10243	Tue	952 610 610 53 53 = = 41769 29152 74099 ... 79193 91905 92739 = = 610 610 53 53 00000	CW	(AB/Subilo)
M14	5-2	0500	12211	Wed	952 176 176 27 27 = = 40483 92533 06989 ... 86058 93058 21492 = = 176 176 952 384 384 21 21 = = 55789 17958 90148 ... 96486 69069 84153 = = 384 384 21 21 00000	CW	(AB/Subilo)
M14	5-2	0520	10243	Wed	952 176 176 27 27 = = 40483 92533 06989 ... 96486 69069 off	CW	(AB/Subilo)
M14	6-2	0500	12211	Thu	952 384 384 21 21 = = 55789 17958 90148 ... 96486 69069 84153 = = 384 384 21 21 952 176 176 27 27 = = 40483 92533 06989 ... 86058 93058 21492 = = 176 176 27 27 (no end nulls)	CW	(AB/Subilo)

M14	6-2	0520	10243	Thu	952 384 384 21 21 = = 55789 17958 90148 ... 96486 69069 84153 = = 384 384 21 21 952 176 176 27 27 = = 40483 92533 06989 ... 86058 93058 21492 = = 176 176 27 27 00000	CW	(AB/Subilo)
M14	7-2	0500	12211	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	7-2	0520	10243	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	10-2	0500	12211	Mon	952 438 438 55 55 = = 72743 66057 45725 ... 69289 10171 02020 = = 438 438 55 55 00000	CW	(AB/Subilo)
M14	10-2	0520	10243	Mon	Unreadable distorted audio	CW	(AB/Subilo)
M14	11-2	0500	12211	Tue	952 438 438 55 55 = = 72743 66057 45725 ... 69289 10171 02020 = = 438 438 55 55 00000	CW	(AB/Subilo)
M14	11-2	0520	10243	Tue	952 438 438 55 55 = = 72743 66057 45725 ... 69289 10171 02020 = = 438 438 55 55 00000	CW	(AB/Subilo)
M14	12-2	0500	12211	Wed	952 761 761 20 20 = = 84336 23075 14275 ... 92184 99363 63999 = = 761 761 20 20 952 843 843 35 35 = = 51827 78840 14078 ... 49296 79086 69675 = = 843 843 35 35 00000	CW	(AB/Subilo)
M14	12-2	0520	10243	Wed	952 761 761 20 20 = = 84336 23075 14275 ... 92184 99363 63999 = = 761 761 20 20 952 843 843 35 35 = = 51827 78840 14078 ... 49296 79086 69675 = = 843 843 35 35 00000	CW	(AB/Subilo)
M14	13-2	0500	12211	Thu	952 761 761 20 20 = = 84336 23075 14275 ... 92184 99363 63999 = = 761 761 20 20 952 843 843 35 35 = = 51827 78840 14078 ... 49296 79086 69675 = = 843 843 35 35 00000	CW	(AB/Subilo)
M14	13-2	0520	10243	Thu	952 761 761 20 20 = = 84336 23075 14275 ... 92184 99363 63999 = = 761 761 20 20 952 843 843 35 35 = = 51827 78840 14078 ... 49296 79086 69675 = = 843 843 35 35 00000	CW	(AB/Subilo)
M14	14-2	0453	12211	Fri	0453z: S5 EEE (24sec silence) 4N 40 EEE 646 H (4sec silence) 4646464646 (R 41sec). At 0500z: 952 952 952 00000	CW	(AB/Subilo)
M14	14-2	0520	10243	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	17-2	0500	12211	Mon	952 106 106 52 52 = = 87563 94484 95293 ... 34030 82512 61601 = = 106 106 52 52 00000	CW	(AB/Subilo)
M14	17-2	0520	10243	Mon	952 106 106 52 52 = = 87563 94484 95293 ... 34030 82512 61601 = = 106 106 52 52 00000	CW	(AB/Subilo)
M14	18-2	0500	12211	Tue	952 106 106 52 52 = = 87563 94484 95293 ... 34030 82512 61601 = = 106 106 52 52 00000	CW	(AB/Subilo)
M14	18-2	0520	10243	Tue	952 106 106 52 52 = = 87563 94484 95293 ... 34030 82512 61601 = = 106 106 52 52 00000	CW	(AB/Subilo)
M14	19-2	0500	12211	Wed	952 387 387 41 41 = = 49962 36881 07810 ... 06398 39859 19510 = = 387 387 41 41 952 410 410 13 13 = = 73327 21890 55734 ... 72022 20656 42376 = = 410 410 13 13 00000	CW	(AB/Subilo)
M14	19-2	0520	10243	Wed	952 387 387 41 41 = = 49962 36881 07810 ... 06398 39859 19510 = = 387 387 41 41 952 410 410 13 13 = = 73327 21890 55734 ... 72022 20656 42376 = = 410 410 13 13 00000	CW	(AB/Subilo)

M14	20-2	0500	12211	Thu	952 387 387 41 41 = = 49962 36881 07810 ... 06398 39859 19510 = = 387 387 41 41 952 410 410 13 13 = = 73327 21890 55734 ... 72022 20656 42376 = = 410 410 13 13 00000	CW	(AB/Subilo)
M14	20-2	0520	10243	Thu	952 387 387 41 41 = = 49962 36881 07810 ... 06398 39859 19510 = = 387 387 41 41 952 410 410 13 13 = = 73327 21890 55734 ... 72022 20656 42376 = = 410 410 13 13 00000	CW	(AB/Subilo)
M14	21-2	0500	12211	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	21-2	0520	10243	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	24-2	0500	12211	Mon	952 678 678 54 54 = = 37401 04757 18108 ... 66802 99791 95088 = = 678 678 54 54 00000	CW	(AB/Subilo)
M14	24-2	0520	10243	Mon	952 678 678 54 54 = = 37401 04757 18108 ... 66802 99791 95088 = = 678 678 54 54 00000	CW	(AB/Subilo)
M14	25-2	0500	12211	Tue	952 678 678 54 54 = = 37401 04757 18108 ... 66802 99791 95088 = = 678 678 54 54 00000	CW	(AB/Subilo)
M14	25-2	0520	10243	Tue	Not monitored	CW	(AB/Subilo)
M14	26-2	0500	12211	Wed	952 340 340 27 27 = = 74371 66804 95488 ... 55180 18296 84136 = = 340 340 27 27 952 861 861 32 32 = = 67831 85353 64418 ... 96436 12533 61133 = = 861 861 32 32 00000	CW	(AB/Subilo)
M14	26-2	0520	10243	Wed	952 340 340 27 27 = = 74371 66804 95488 ... 55180 18296 84136 = = 340 340 27 27 952 861 861 32 32 = = 67831 85353 64418 ... 96436 12533 61133 = = 861 861 32 32 00000	CW	(AB/Subilo)
M14	27-2	0500	12211	Thu	952 340 340 27 27 = = 74371 66804 95488 ... 55180 18296 84136 = = 340 340 27 27 952 861 861 32 32 = = 67831 85353 64418 ... 96436 12533 61133 = = 861 861 32 32 00000	CW	(AB/Subilo)
M14	27-2	0520	10243	Thu	Not monitored	CW	(AB/Subilo)
M14	28-2	0500	12211	Fri	952 952 952 00000	CW	(AB/Subilo)
M14	28-2	0520	10243	Fri	952 952 952 00000	CW	(AB/Subilo)
M14d	26-2	1016	10755	Wed	Slow beeps	CW	(PY)
M14d	26-2	1033	10755	Wed	Two series of fast beeps	CW	(PY)
M14d	26-2	1045	10755	Wed	975 975 78432 975 78432 860 860 31 31 = = 64300 92586 27083 ... 60196 43140 27880 = = 860 860 31 31 00000	CW	(PY)
M14d	26-2	1339	11073	Wed	Two series of fast beeps	CW	(PY)
M14d	26-2	1400	11073	Wed	352 98573 00000	CW	(PY)
M42	4-2	0909	16167	Tue	Russian diplo	Serdolik v2	(RO)
M42	5-2	0913	17452	Wed	Russian diplo	MFSK-66	(RO)
M42	5-2	1301	18755	Wed	Russian diplo	MFSK-66	(Rycat)
M42	5-2	1528	12184	Wed	Russian diplo	Serdolik v2	(KW)
M42	5-2	1543	12184	Wed	Russian diplo. Idle	Serdolik v2	(KW)
M42	6-2	0726	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-2	0728	16313	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0736	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-2	0741	16313	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0743	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)

M42	6-2	0746	14272	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0747	16313	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0750	16026	Thu	Russian diplo	Serdolik v2	(RO)
M42	6-2	0751	21826	Thu	Russian diplo	Serdolik v2	(RO)
M42	6-2	0753	14272	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0754	16313	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-2	0759	16026	Thu	Russian diplo	Serdolik v2	(AB)
M42	6-2	0807	13441	Thu	Russian diplo	MFSK-66	(AB)
M42	6-2	0815	16026	Thu	Russian diplo	Serdolik v2	(RO)
M42	6-2	0914	13419	Thu	Russian diplo	Serdolik v2	(RO)
M42	6-2	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL K followed by operator chat. No message.	FSK CW	(AB)
M42	6-2	1412	16313	Thu	Russian diplo	Serdolik V2	(AB)
M42	6-2	1515	15883	Thu	Russian diplo	MFSK-66	(AB)
M42	7-2	0859	14568	Fri	Russian diplo.	MFSK-66	(AB)
M42	7-2	1013	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	7-2	1016	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	7-2	1019	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	12-2	0852	11562	Wed	Russian diplo	Serdolik v2	(AB/Moon)
M42	12-2	0904	11560	Wed	Russian diplo. Test	Serdolik v2	(AB/Moon)
M42	12-2	0906	11562	Wed	Russian diplo	Serdolik v2	(AB)
M42	13-2	1300	16156	Thu	UAL: Moscow wkg UAG: Havana. Header: 11100 70103 57138 13029 04009	FSK CW + FSK 75/100	(AB)
M42	13-2	1300	18726	Thu	UAG: Havana wkg UAL: Moscow. Header: 11100 70103 91457 13029 04003	FSK CW + FSK 100/500	(AB-USA)
M42	14-2	0837	12193	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	14-2	0848	12193	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	14-2	0919	14501	Fri	Russian diplo	MFSK-66	(AB)
M42	17-2	0734	10414	Mon	Russian diplo	MFSK-66	(AB)
M42	17-2	0745	10414	Mon	Russian diplo	MFSK-66	(T101)
M42	17-2	0748	9053	Mon	Russian diplo	MFSK-66	(T101)
M42	17-2	0834	9088	Mon	Russian diplo	MFSK-66	(T101)
M42	17-2	1526	14823	Mon	Russian diplo	MFSK-66	(AB)
M42	17-2	1540	16313	Mon	Russian diplo	MFSK-66	(AB)
M42	18-2	0844	16169	Tue	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-2	0851	16167	Tue	Russian diplo. Test	Serdolik v2	(RO)
M42	18-2	0931	14358	Tue	Russian diplo	MFSK-66	(RO)
M42	18-2	0944	14803	Tue	Russian diplo	MFSK-66	(RO)
M42	19-2	1218	14951	Wed	Russian diplo	MFSK-66	(Rycat)
M42	19-2	1252	18755	Wed	Russian diplo	MFSK-66	(Rycat)
M42	19-2	1252	17435	Wed	Russian diplo	MFSK-66	(T101)
M42	20-2	0757	21825	Thu	Russian diplo.	Serdolik v2	(Moon)
M42	20-2	1411	18232	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1412	16313	Thu	Russian diplo	Serdolik v2	(Rycat)

M42	20-2	1435	16317	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-2	1436	18232	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-2	1436	18232	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-2	1436	18232	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	20-2	1436	16315	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1437	18232	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1438	12092	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-2	1439	16315	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-2	1439	16315	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-2	1439	16313	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1444	16315	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1449	18230	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-2	1451	18230	Thu	Russian diplo	Serdolik v2	(Rycat)
M42	20-2	1542	16275	Thu	Russian diplo	MFSK-66	(AB)
M42	20-2	1554	14821	Thu	Russian diplo	MFSK-66	(AB)
M42	21-2	1303	16099	Fri	Russian diplo	MFSK-66	(AB)
M42	21-2	1319	13393	Fri	Russian diplo	MFSK-66	(AB)
M42	24-2	0815	17470	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	24-2	0816	17468	Mon	Russian diplo	Serdolik v2	(AB)
M42	24-2	0831	17468	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	24-2	0832	17468	Mon	Russian diplo	Serdolik v2	(AB)
M42	24-2	0923	14690	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	24-2	0924	14688	Mon	Russian diplo	Serdolik v2	(AB)
M42	24-2	0935	19275	Mon	Russian diplo	Serdolik v2	(AB)
M42	25-2	1004	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	25-2	1012	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	27-2	0751	13849	Thu	Russian diplo	MFSK-66	(AB)
M42	28-2	0936	12175	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	28-2	0953	12204	Fri	Russian diplo	MFSK-66	(AB/RO)
M42b	1-2	0805	19101	Sat	Header: 189 100 1 0800 8374=	CW + FSK 50/500	(AB)
M42b	1-2	1530	5469	Sat	Active but unreadable due to heavy interference	CW	(AB)
M42b	2-2	0801	19101	Sun	S5W8 S5W8 S5W8 DE FLH3 Header: 190 100 2 0755 9346=	CW + FSK 50/500	(AB)
M42b	2-2	1535	5469	Sun	UDAP UDAP UDAP DE AIFH AIFH K. Header: 065 100 02 1525 1357=	CW + FSK 200/1000	(AB)
M42b	3-2	0805	19101	Mon	5NT8 5NT8 5NT8 DE OJM. Header: 137 100 03 0800 7853=	CW + FSK 50/500	(AB)
M42b	3-2	1536	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 067 100 03 1525 1358=	CW + FSK 50/500	(AB)
M42b	4-2	0801	19101	Tue	K9M1 K9M1 K9M. Header: 191 100 4 0755 8239=	CW + FSK 50/500	(AB)
M42b	4-2	1535	5469	Tue	UDAP UDAP UDAP DE AIFH AIFH K. Header: 069 100 04 1525 1357=	CW + FSK 50/500	(AB)
M42b	5-2	0805	19101	Wed	FP17 FP17 FP17 DE PR5M PR5N K. Header: 192 100 5 0800 6687=	CW + FSK 50/500	(AB)
M42b	5-2	1530	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. QSA NO QSY 93214 QSY 93214 K	CW	(AB)
M42b	6-2	0800	19101	Thu	Very weak signal. Operator chat unreadable. RTTY lunreadable.	CW + FSK 50/500	(AB)
M42b	6-2	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. UDAP UDAP UDAP DE AIFH AIFH K. QSA NO QSY 93214 QSY 93214 K	CW _ FSK 50/500	(AB)

M42b	7-2	0809	19101	Fri	MG4O MG4O MG4O DE AE2N AE2N K. = = R 194 10 = = 119 420 07 0800 9987 K. CFM NIL QRU? K. SK	CW	(AB)
M42b	7-2	1535	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 075 100 07 1525 1357=	CW + FSK 50/500	(AB)
M42b	8-2	0801	19101	Sat	KE9Z Header: 195 100 8 0755 7309=	CW + FSK 50/500	(AB)
M42b	8-2	1534	5469	Sat	UDAP UDAP UDAP DE AIFH AIFH K. Header: 077 100 08 1525 1357=	CW + FSK 50/500	(AB)
M42b	9-2	0805	19101	Sun	G1ZE G1ZE G1ZE DE FA3C FA. Header: 196 100 9 0800 7887=	CW + FSK 50/500	(AB)
M42b	9-2	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 079 100 09 1525 1357=	CW + FSK 200/1000	(AB)
M42b	10-2	0801	19101	Mon	MR4V MR4V. Header: 197 100 10 0755 8293=	CW + FSK 50/500	(AB)
M42b	10-2	1533	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 081 100 10 1525 1357=	CW + FSK 50/500	(AB)
M42b	11-2	0806	19101	Tue	KA9M. Header: 198 100 11 0800 8154=	CW + FSK 50/500	(AB)
M42b	11-2	1535	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 083 100 11 1525 1357=	CW + FSK 50/500	(AB)
M42b	12-2	0802	19101	Wed	4XN6. Header: 199 100 12 0755 9234=	CW + FSK 50/500	(AB)
M42b	12-2	1533	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 085 100 12 1525 1357=	CW + FSK 50/500	(AB)
M42b	13-2	0807	19101	Thu	PVS0 PVS9 PVS9 DE DVY7 DVY7 K. Header: 200 100 13 0800 6556=	CW + FSK 50/500	(AB)
M42b	13-2	1536	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 087 100 13 1525 1357=	CW + FSK 50/500	(AB)
M42b	14-2	0800	19101	Fri	CB6R CB6R. Header: 201 100 14 0755 8732=	CW + FSK 50/500	(AB)
M42b	14-2	1532	7451	Fri	LKDW LKDW LKDW DE PRAT PRAT K. Header: 364 100 14 1225 9302=	CW + FSK 50/500	(AB)
M42b	14-2	1534	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 089 100 14 1525 1357=	CW + FSK 50/500	(AB)
M42b	15-2	0803	19101	Sat	MYaV5. Header: 202 100 15 0800 6243=	CW + FSK 50/500	(AB)
M42b	15-2	1535	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 091 100 15 1525 1357=	CW + FSK 50/500	(AB)
M42b	16-2	0800	19101	Sun	ZUOB. Header: 203 100 16 0755 7891=	CW + FSK 50/500	(AB)
M42b	16-2	1534	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 093 100 16 1525 1357=	CW + FSK 200/1000	(AB)
M42b	16-2	1535	5469	Sun	CDAP CDAP CDAP DE AIFH AIFH K. Header: 107 100 23 1525 1357=	CW + FSK 200/1000	(AB)
M42b	17-2	0550	4026	Mon	PZAK PZAK PZAK DE PLXW PLXW K. Header: 094 100 17 0540 1357=	CW + FSK 50/500	(TJ)
M42b	17-2	0551	4461	Mon	PLXW PLXW PLXW DE PZAK PZKA K. Header: 458 100 17 0535 8263=	CW + FSK 50/500	(TJ)
M42b	17-2	0801	19101	Mon	I1TH. Header: 204 100 17 0800 3741=	CW + FSK 50/500	(AB)
M42b	17-2	1535	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 095 100 17 1525 187=	CW + FSK 50/500	(AB)
M42b	18-2	0550	4461	Tue	PLXW PLXW PLXW DE PZAK PZKA K. Header: 098 100 198 0541 1357=	CW + FSK 50/500	(AB-S)
M42b	18-2	0550	4026	Tue	PZAK PZAK PZAK DE PLXW PLXW K. Header: 096 100 18 0540 1357=	CW + FSK 50/500	(AB-S/TJ)
M42b	18-2	0551	4461	Tue	PLXW PLXW PLXW DE PZAK PZKA K. Header: 776 108 18 0540 4783=	CW + FSK 50/500	(AB-S/TJ)
M42b	18-2	0803	19101	Tue	F8PW F8PW F8PW DE AEE. Header: 205 100 18 0755 /284=	CW + FSK 50/500	(AB)
M42b	18-2	1534	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 097 100 18 1525 1357=	CW + FSK 50/500	(AB)
M42b	19-2	0550	4026	Wed	PZAK PZAK PZAK DE PLXW PLXW K. Header: 801 100 19 0505 0193 =	CW + FSK 50/500	(AB-S)
M42b	19-2	0804	19101	Wed	IC8U. Header: 206 100 19 0800 7198=	CW + FSK 50/500	(AB)
M42b	19-2	1534	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 099 100 19 1525 1357=	CW + FSK 50/500	(AB)
M42b	20-2	1536	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 101 100 20 1525 1357=	CW + FSK 50/500	(AB)
M42b	21-2	0806	19101	Fri	1EZP 1EZP. Header: 208 100 21 0800 4512=	CW + FSK 50/500	(AB)
M42b	21-2	1534	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Heavy interference. Unreadable	CW + FSK 50/500	(AB)
M42b	22-2	0803	19101	Sat	Header: 209 100 22 0855 8215=	CW + FSK 50/500	(AB)
M42b	22-2	1534	5469	Sat	CDAP CDAP CDAP DE AIFH AIFH K. Header: 105 100 22 1525 1357=	CW + FSK 50/500	(AB)
M42b	23-2	0550	4026	Sun	PZAK PZAK PZAK DE PLXW PLXW K. Largely unreadable	CW + FSK 50/500	(AB-S)
M42b	23-2	0550	4461	Sun	PLXW PLXW PLXW DE PZAK PZKA K. Header: 011 100 23 0535 1837=	CW + FSK 50/500	(AB-S)

M42b	23-2	0806	19101	Sun	WX2A WX2A. Header: 210 100 23 0800 9327=	CW + FSK 50/500	(AB)
M42b	24-2	0550	4461	Mon	PLXW PLXW PLXW DE PZAK PZKA K. Header: 711 100 24 0540 9824 =	CW + FSK 50/500	(AB-S)
M42b	24-2	0806	19101	Mon	S5W8 S5W8. Header: 211 100 24 0755 8732=	CW + FSK 50/500	(AB)
M42b	24-2	1534	5469	Mon	CDAP CDAP CDAP DE AIFH AIFH K. Header: 109 100 24 1525 1357=	CW + FSK 50/500	(AB)
M42b	25-2	0803	19101	Tue	5NT8 5NT8 5NT8 DE OA9K OA9K OA9K K. Header: 212 100 25 0800 6556=	CW + FSK 50/500	(AB)
M42b	25-2	1534	5469	Tue	CDAP CDAP CDAP DE AIFH AIFH K. Header: 111 100 25 1525 1357=	CW + FSK 50/500	(AB)
M42b	26-2	0557	4461	Wed	PLXW PLXW PLXW DE PZAK PZAK K. Header: 349 100 25 0540 6216=	CW + FSK 50/500	(AB)
M42b	26-2	0804	19101	Wed	K9M1 K9M1. Header: 213 100 26 0755 5475=	CW + FSK 50/500	(AB)
M42b	26-2	1533	5469	Wed	CDAP CDAP CDAP DE AIFH AIFH K. Header: 113 100 26 1525 13570=	CW + FSK 50/500	(AB)
M42b	27-2	0549	4461	Thu	PLXW PLXW PLXW DE PZAK PZAK K. Header: 660 100 27 0535 2602=	CW + FSK 50/500	(AB)
M42b	27-2	1535	5469	Thu	CDAP CDAP CDAP DE AIFH AIFH K. Header: 115 100 27 1525 1357=	CW + FSK 50/500	(AB)
M42b	27-2	805	19101	Thu	F117. Header: 214 100 27 0800 4643=	CW + FSK 50/500	(AB)
M42b	28-2	0549	4461	Fri	PLXW PLXW PLXW DE PZAK PZAK K. Header: 471 100 28 0530 8327=	CW + FSK 50/500	(AB)
M42b	28-2	0806	19101	Fri	X46B. Header: 215 100 28 0755 4856=	CW + FSK 50/500	(AB)
M42b	28-2	1532	5469	Fri	CDAP CDAP CDAP DE AIFH AIFH K. Header: 117 100 28 1525 1357=	CW + FSK 50/500	(AB)
M89	1-2	0025	8375	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	1-2	0025	12123	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	3-2	1928	4846	Mon	V 4DFK (x3) DE M7KQ (x2)	CW	(JPL-RUS)
M89	3-2	1932	4357	Mon	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	13-2	1910	4846	Thu	V 4DFK 4DFK 4DFK DE M7KQ M7KQ	CW	(JPL-RUS)
M89	13-2	1915	4357	Thu	V 3JWV 3JWV 3JWV DE QSVF QSVF	CW	(JPL-RUS)
M89	13-2	1915	5742	Thu	V 3JWV 3JWV 3JWV DE QSVF QSVF	CW	(JPL-RUS)
M89	15-2	0123	8375	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	15-2	0123	12124	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	15-2	1715	4357	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-RUS)
M89	15-2	1800	5742	Sat	V 3JWV (x3) DE QSVF (x2)	CW	(JPL-TWN)
M95	1-2	0045	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	1-2	0045	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	3-2	1938	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	3-2	1938	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	13-2	1840	3903	Thu	V WCJJ WCJJ WCJJ DE HBDD HBDD	CW	(JPL-RUS)
M95	13-2	1840	6886	Thu	V WCJJ WCJJ WCJJ DE HBDD HBDD	CW	(JPL-RUS)
M95	15-2	0128	11475	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
NB	5-2	1726	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	5-2	1726	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	5-2	1726	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	9-2	1949	5782	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	9-2	1949	5950	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	9-2	1949	6930	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	11-2	2047	5782	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	11-2	2047	5950	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	11-2	2047	6930	Tue	Unid station a.k.a. New Buzzer	USB	(AB)

NB	12-2	2030	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	12-2	2030	5950	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	12-2	2030	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	16-2	1805	5782	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	16-2	1805	5950	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	16-2	1805	6930	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-2	2000	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-2	2000	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-2	2000	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-2	1605	5782	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-2	1605	5950	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-2	1605	6930	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-2	2149	6085	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-2	2149	7230	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-2	2149	7550	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
P03	1-2	1020	5176	Sat	Polish intel.	PSK	(AB)
P03	1-2	1025	5176	Sat	Polish intel.	PSK	(AB)
P03	1-2	1245	4840	Sat	Polish intel.	PSK	(AB)
P03	1-2	1250	4840	Sat	Polish intel.	PSK	(AB)
P03	1-2	1310	9130	Sat	Polish intel.	PSK	(AB)
P03	1-2	1315	9130	Sat	Polish intel.	PSK	(AB)
P03	2-2	0530	4298	Sun	Polish intel.	PSK	(AB)
P03	2-2	0535	4298	Sun	Polish intel.	PSK	(AB)
P03	2-2	1020	5176	Sun	Polish intel.	PSK	(AB)
P03	2-2	1025	5176	Sun	Polish intel.	PSK	(AB)
P03	2-2	1100	6433	Sun	Polish intel.	PSK	(AB)
P03	2-2	1105	6433	Sun	Polish intel.	PSK	(AB)
P03	2-2	1220	23060	Sun	Polish intel.	PSK	(AB)
P03	2-2	1225	23060	Sun	Polish intel.	PSK	(AB)
P03	2-2	1245	4840	Sun	Polish intel.	PSK	(AB)
P03	2-2	1250	4840	Sun	Polish intel.	PSK	(AB)
P03	2-2	1515	16335	Sun	Polish intel.	PSK	(AB)
P03	2-2	1520	16335	Sun	Polish intel.	PSK	(AB)
P03	2-2	1725	11104	Sun	Polish intel.	PSK	(AB)
P03	2-2	1730	11104	Sun	Polish intel.	PSK	(AB)
P03	3-2	1220	23060	Mon	Polish intel.	PSK	(AB)
P03	3-2	1225	23060	Mon	Polish intel.	PSK	(AB)
P03	4-2	0530	6252	Tue	Polish intel.	PSK	(AB)
P03	4-2	0535	6252	Tue	Polish intel.	PSK	(AB)
P03	4-2	1500	10125	Tue	Polish intel.	PSK	(AB)
P03	4-2	1505	10125	Tue	Polish intel.	PSK	(AB)
P03	4-2	1725	11104	Tue	Polish intel.	PSK	(AB)

P03	4-2	1730	11104	Tue	Polish intel.	PSK	(AB)
P03	5-2	1310	9130	Wed	Polish intel.	PSK	(AB)
P03	5-2	1315	9130	Wed	Polish intel.	PSK	(AB)
P03	6-2	1950	6906	Thu	Polish intel.	PSK	(AB)
P03	6-2	1955	6906	Thu	Polish intel.	PSK	(AB)
P03	7-2	1500	10125	Fri	Polish intel.	PSK	(AB)
P03	7-2	1505	10125	Fri	Polish intel.	PSK	(AB)
P03	7-2	1515	16335	Fri	Polish intel.	PSK	(AB)
P03	7-2	1520	16335	Fri	Polish intel.	PSK	(AB)
P03	8-2	1020	5176	Sat	Polish intel.	PSK	(AB)
P03	8-2	1025	5176	Sat	Polish intel.	PSK	(AB)
P03	8-2	1245	4840	Sat	Polish intel.	PSK	(AB)
P03	8-2	1250	4840	Sat	Polish intel.	PSK	(AB)
P03	8-2	1310	9130	Sat	Polish intel.	PSK	(AB)
P03	8-2	1315	9130	Sat	Polish intel.	PSK	(AB)
P03	9-2	0530	4298	Sun	Polish intel.	PSK	(AB)
P03	9-2	0535	4298	Sun	Polish intel.	PSK	(AB)
P03	9-2	1020	5176	Sun	Polish intel.	PSK	(AB)
P03	9-2	1025	5176	Sun	Polish intel.	PSK	(AB)
P03	9-2	1100	6433	Sun	Polish intel.	PSK	(AB)
P03	9-2	1105	6433	Sun	Polish intel.	PSK	(AB)
P03	9-2	1220	23060	Sun	Polish intel.	PSK	(AB)
P03	9-2	1225	23060	Sun	Polish intel.	PSK	(AB)
P03	9-2	1245	4840	Sun	Polish intel.	PSK	(AB)
P03	9-2	1250	4840	Sun	Polish intel.	PSK	(AB)
P03	9-2	1515	16335	Sun	Polish intel.	PSK	(AB)
P03	9-2	1520	16335	Sun	Polish intel.	PSK	(AB)
P03	9-2	1725	11104	Sun	Polish intel.	PSK	(AB)
P03	9-2	1730	11104	Sun	Polish intel.	PSK	(AB)
P03	9-2	1950	6906	Sun	Polish intel.	PSK	(AB)
P03	9-2	1955	6906	Sun	Polish intel.	PSK	(AB)
P03	10-2	1220	23060	Mon	Polish intel.	PSK	(AB)
P03	10-2	1225	23060	Mon	Polish intel.	PSK	(AB)
P03	11-2	1500	10125	Tue	Polish intel.	PSK	(AB)
P03	11-2	1505	10125	Tue	Polish intel.	PSK	(AB)
P03	11-2	1725	11104	Tue	Polish intel.	PSK	(AB)
P03	11-2	1730	11104	Tue	Polish intel.	PSK	(AB)
P03	12-2	1310	9130	Wed	Polish intel.	PSK	(AB)
P03	12-2	1315	9130	Wed	Polish intel.	PSK	(AB)
P03	13-2	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	13-2	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	13-2	1950	6906	Thu	Polish intel.	PSK	(AB)

P03	13-2	1955	6906	Thu	Polish intel.	PSK	(AB)
P03	14-2	0530	4298	Fri	Polish intel.	PSK	(AB)
P03	14-2	0535	4298	Fri	Polish intel.	PSK	(AB)
P03	14-2	1100	6433	Fri	Polish intel.	PSK	(AB)
P03	14-2	1105	6433	Fri	Polish intel.	PSK	(AB)
P03	14-2	1500	10125	Fri	Polish intel.	PSK	(AB)
P03	14-2	1505	10125	Fri	Polish intel.	PSK	(AB)
P03	14-2	1515	16335	Fri	Polish intel.	PSK	(AB)
P03	14-2	1520	16335	Fri	Polish intel.	PSK	(AB)
P03	15-2	1020	5176	Sat	Polish intel.	PSK	(AB)
P03	15-2	1025	5176	Sat	Polish intel.	PSK	(AB)
P03	15-2	1245	4840	Sat	Polish intel.	PSK	(AB)
P03	15-2	1250	4840	Sat	Polish intel.	PSK	(AB)
P03	15-2	1310	9130	Sat	Polish intel.	PSK	(AB)
P03	15-2	1315	9130	Sat	Polish intel.	PSK	(AB)
P03	16-2	0530	4298	Sun	Polish intel.	PSK	(AB)
P03	16-2	0535	4298	Sun	Polish intel.	PSK	(AB)
P03	16-2	1020	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	16-2	1025	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	16-2	1100	6433	Sun	Polish intel.	PSK	(AB)
P03	16-2	1105	6433	Sun	Polish intel.	PSK	(AB)
P03	16-2	1220	23060	Sun	Polish intel.	PSK	(AB)
P03	16-2	1225	23060	Sun	Polish intel.	PSK	(AB)
P03	16-2	1245	4840	Sun	Polish intel.	PSK	(AB)
P03	16-2	1250	4840	Sun	Polish intel.	PSK	(AB)
P03	16-2	1515	16335	Sun	Polish intel.	PSK	(AB)
P03	16-2	1520	16335	Sun	Polish intel.	PSK	(AB)
P03	16-2	1725	11104	Sun	Polish intel.	PSK	(AB)
P03	16-2	1730	11104	Sun	Polish intel.	PSK	(AB)
P03	16-2	1950	6906	Sun	Polish intel.	PSK	(AB)
P03	16-2	1955	6906	Sun	Polish intel.	PSK	(AB)
P03	17-2	1220	23060	Mon	Polish intel.	PSK	(AB)
P03	17-2	1225	23060	Mon	Polish intel.	PSK	(AB)
P03	18-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	18-2	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	18-2	1500	10125	Tue	Polish intel.	PSK	(AB)
P03	18-2	1505	10125	Tue	Polish intel.	PSK	(AB)
P03	18-2	1725	11104	Tue	Polish intel.	PSK	(AB)
P03	18-2	1730	11104	Tue	Polish intel.	PSK	(AB)
P03	19-2	1310	9130	Wed	Polish intel.	PSK	(AB)
P03	19-2	1315	9130	Wed	Polish intel.	PSK	(AB)
P03	20-2	0430	6252	Thu	Polish intel.	PSK	(AB)

P03	20-2	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	20-2	1950	6906	Thu	Polish intel.	PSK	(AB)
P03	20-2	1955	6906	Thu	Polish intel.	PSK	(AB)
P03	21-2	1100	6433	Fri	Polish intel.	PSK	(AB)
P03	21-2	1105	6433	Fri	Polish intel.	PSK	(AB)
P03	21-2	1500	10125	Fri	Polish intel.	PSK	(AB)
P03	21-2	1505	10125	Fri	Polish intel.	PSK	(AB)
P03	21-2	1515	16335	Fri	Polish intel.	PSK	(AB)
P03	21-2	1520	16335	Fri	Polish intel.	PSK	(AB)
P03	22-2	1020	5176	Sat	Polish intel.	PSK	(AB)
P03	22-2	1025	5176	Sat	Polish intel.	PSK	(AB)
P03	22-2	1245	4840	Sat	Polish intel.	PSK	(AB)
P03	22-2	1250	4840	Sat	Polish intel.	PSK	(AB)
P03	22-2	1310	9130	Sat	Polish intel.	PSK	(AB)
P03	22-2	1315	9130	Sat	Polish intel.	PSK	(AB)
P03	23-2	0530	4298	Sun	Polish intel.	PSK	(AB)
P03	23-2	0535	4298	Sun	Polish intel.	PSK	(AB)
P03	23-2	1020	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	23-2	1025	5176	Sun	Polish intel.	PSK	(AB-POL)
P03	23-2	1100	6433	Sun	Polish intel.	PSK	(AB)
P03	23-2	1105	6433	Sun	Polish intel.	PSK	(AB)
P03	23-2	1220	23060	Sun	Polish intel.	PSK	(AB)
P03	23-2	1225	23060	Sun	Polish intel.	PSK	(AB)
P03	23-2	1245	4840	Sun	Polish intel.	PSK	(AB)
P03	23-2	1250	4840	Sun	Polish intel.	PSK	(AB)
P03	23-2	1515	16335	Sun	Polish intel.	PSK	(AB)
P03	23-2	1520	16335	Sun	Polish intel.	PSK	(AB)
P03	23-2	1725	11104	Sun	Polish intel.	PSK	(AB)
P03	23-2	1730	11104	Sun	Polish intel.	PSK	(AB)
P03	23-2	1950	6906	Sun	Polish intel.	PSK	(AB)
P03	23-2	1955	6906	Sun	Polish intel.	PSK	(AB)
P03	24-2	1220	23060	Mon	Polish intel.	PSK	(AB)
P03	24-2	1225	23060	Mon	Polish intel.	PSK	(AB)
P03	25-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	25-2	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	25-2	1500	10125	Tue	Polish intel.	PSK	(AB)
P03	25-2	1505	10125	Tue	Polish intel.	PSK	(AB)
P03	25-2	1725	11104	Tue	Polish intel.	PSK	(AB)
P03	25-2	1730	11104	Tue	Polish intel.	PSK	(AB)
P03	26-2	1310	9130	Wed	Polish intel.	PSK	(AB)
P03	26-2	1315	9130	Wed	Polish intel.	PSK	(AB)
P03	27-2	0430	6252	Thu	Polish intel.	PSK	(AB)

P03	27-2	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	27-2	1950	6906	Thu	Polish intel.	PSK	(AB)
P03	27-2	1955	6906	Thu	Polish intel.	PSK	(AB)
P03	28-2	0530	4298	Fri	Polish intel.	PSK	(AB)
P03	28-2	0535	4298	Fri	Polish intel.	PSK	(AB)
P03	28-2	1100	6433	Fri	Polish intel.	PSK	(AB)
P03	28-2	1105	6433	Fri	Polish intel.	PSK	(AB)
P03	28-2	1500	10125	Fri	Polish intel.	PSK	(AB)
P03	28-2	1505	10125	Fri	Polish intel.	PSK	(AB)
P03	28-2	1515	16335	Fri	Polish intel.	PSK	(AB)
P03	28-2	1520	16335	Fri	Polish intel.	PSK	(AB)
P03g	3-2	1030	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-2	1035	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-2	1100	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-2	1105	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1030	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1035	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1100	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1105	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-2	1030	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-2	1035	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-2	1100	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-2	1105	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1030	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1035	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1100	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1105	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-2	1030	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-2	1035	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-2	1100	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-2	1105	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1030	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1035	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1100	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1105	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	21-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-2	1030	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-2	1035	9446	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-2	1100	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-2	1105	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1030	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1035	9446	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1100	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1105	11581	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03j	3-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	3-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-2	0630	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	0635	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1730	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1735	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-2	0630	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-2	0635	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1730	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1735	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	0630	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	8-2	0635	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1730	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1735	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-2	0630	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-2	0635	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-2	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-2	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	1730	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	1735	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	0630	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	0635	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1730	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1735	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-2	0630	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-2	0635	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-2	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-2	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1730	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1735	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	0630	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	0635	7391	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1230	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1235	18265	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1730	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1735	6432	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-2	0630	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-2	0635	7391	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1230	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1235	18265	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1730	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1735	6432	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	3-2	1200	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-2	1205	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-2	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-2	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-2	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-2	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-2	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	4-2	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-2	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-2	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-2	1345	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-2	1350	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-2	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-2	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-2	1200	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-2	1205	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-2	1345	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-2	1350	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-2	1200	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-2	1205	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-2	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-2	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-2	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-2	1345	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-2	1350	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-2	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-2	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-2	1200	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-2	1205	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-2	1345	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-2	1350	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-2	1200	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-2	1205	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-2	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-2	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-2	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-2	1345	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-2	1350	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-2	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	20-2	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-2	1200	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-2	1205	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-2	1800	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-2	1805	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-2	1345	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-2	1350	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-2	1200	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-2	1205	8530	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	0725	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	0730	9052	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	0800	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	0805	14656	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	1800	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	1805	6480	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-2	0800	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-2	0805	14656	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-2	1345	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-2	1350	11559	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	0725	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	0730	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	1200	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	1205	8530	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	1800	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-2	1805	6480	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-2	1345	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-2	1350	11559	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	2-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	9-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	16-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	23-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
S06	1-2	1600	9463	Sat	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(AB/HFD)
S06	1-2	1630	6792	Sat	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(AB/HFD)
S06	2-2	0730	12092	Sun	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(HFD)
S06	2-2	0800	9412	Sun	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(HFD)
S06	3-2	0400	11616	Mon	480 196 52 03388 46013 55409 ... 93703 30219 36464 196052 00000	USB	(Subilo)
S06	3-2	0420	9322	Mon	480 196 52 03388 46013 55409 ... 93703 30219 36464 196052 00000	USB	(Subilo)
S06	4-2	0400	11616	Tue	480 196 52 03388 46013 55409 ... 93703 30219 36464 196052 00000	USB	(Subilo)
S06	4-2	0420	9322	Tue	480 196 52 03388 46013 55409 ... 93703 30219 36464 196052 00000	USB	(Subilo)

S06	5-2	0400	11616	Wed	480 725 23 92547 41613 10697 ... 87201 52181 74526 725 23 480 936 33 95720 62109 55545 ... 77398 13345 11539 936 33 00000	USB	(Subilo)
S06	5-2	0420	9322	Wed	480 725 23 92547 41613 10697 ... 87201 52181 74526 725 23 480 936 33 95720 62109 55545 ... 77398 13345 11539 936 33 00000	USB	(Subilo)
S06	5-2	0930	13547	Wed	480 213 45 21058 73874 60781 ... 58640 42380 35683 213 45 00000	USB	(Priyom/HFD/Su- bilo)
S06	5-2	1030	12093	Wed	480 213 45 21058 73874 60781 ... 58640 42380 35683 213 45 00000	USB	(Priyom/Subilo)
S06	6-2	0400	11616	Thu	480 725 23 92547 41613 10697 ... 87201 52181 74526 725 23 480 936 33 95720 62109 55545 ... 77398 13345 11539 936 33 00000	USB	(Subilo)
S06	6-2	0420	9322	Thu	480 725 23 92547 41613 10697 ... 87201 52181 74526 725 23 480 936 33 95720 62109 55545 ... 77398 13345 11539 936 33 00000	USB	(Subilo)
S06	7-2	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	7-2	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	7-2	1900	7913	Fri	842 842 842 00000	USB	(AB/HFD)
S06	7-2	2000	5943	Fri	842 842 842 00000	USB	(AB/HFD/Lac)
S06	7-2	2000	5943	Fri	842 00000	USB	(Lac)
S06	10-2	0400	11616	Mon	480 512 60 54961 47537 76334 ... 38336 81582 36550 512 60 00000	USB	(Subilo)
S06	10-2	0420	9322	Mon	480 512 60 54961 47537 76334 ... 38336 81582 36550 512 60 00000	USB	(Subilo)
S06	11-2	0400	11616	Tue	480 512 60 54961 47537 76334 ... 38336 81582 36550 512 60 00000	USB	(Subilo)
S06	11-2	0420	9322	Tue	480 512 60 54961 47537 76334 ... 38336 81582 36550 512 60 00000	USB	(Subilo)
S06	12-2	0400	11616	Wed	480 697 33 70013 01828 19498 ... 44795 73593 32711 697 33 480 531 23 83691 45024 41737 ... 34838 85339 41534 531 23 00000	USB	(Subilo)
S06	12-2	0420	9322	Wed	480 697 33 70013 01828 19498 ... 44795 73593 32711 697 33 480 531 23 83691 45024 41737 ... 34838 85339 41534 531 23 00000	USB	(Subilo)
S06	12-2	0930	13547	Wed	480 932 44 48236 07490 09740 ... 21632 63524 04149 932 44 00000	USB	(AB/Priyom/Su- bilo/HFD)
S06	12-2	1030	10463	Wed	480 932 44 48236 07490 09740 ... 21632 63524 04149 932 44 00000	USB	(AB/Priyom/HFD)
S06	13-2	0400	11616	Thu	480 697 33 70013 01828 19498 ... 44795 73593 32711 697 33 480 531 23 83691 45024 41737 ... 34838 85339 41534 531 23 00000	USB	(Subilo)
S06	13-2	0420	9322	Thu	480 697 33 70013 01828 19498 ... 44795 73593 32711 697 33 480 531 23 83691 45024 41737 ... 34838 85339 41534 531 23 00000	USB	(Subilo)
S06	14-2	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	14-2	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	15-2	1600	9463	Sat	480 657 41 93717 27105 02801 ... 29123 06494 29407 657 41 00000	USB	(AB/Lac)
S06	15-2	1630	6792	Sat	480 657 41 93717 27105 02801 ... 29123 06494 29407 657 41 00000	USB	(AB)
S06	16-2	0730	12093	Sun	480 657 41 93717 27105 02801 ... 29123 06494 29407 657 41 00000	USB	(AB)
S06	16-2	0800	9412	Sun	480 657 41 93717 27105 02801 ... 29123 06494 29407 657 41 00000	USB	(AB)
S06	17-2	0400	11616	Mon	480 297 51 67444 68139 47387 ... 25512 30019 35195 297 51 00000	USB	(Subilo)
S06	17-2	0420	9322	Mon	480 297 51 67444 68139 47387 ... 25512 30019 35195 297 51 00000	USB	(Subilo)
S06	18-2	0400	11616	Tue	480 297 51 67444 68139 47387 ... 25512 30019 35195 297 51 00000	USB	(Subilo)
S06	18-2	0420	9322	Tue	480 297 51 67444 68139 47387 ... 25512 30019 35195 297 51 00000	USB	(Subilo)

S06	19-2	0400	11616	Wed	480 163 24 38266 01950 10827 ... 43287 54607 86106 163 24 480 725 26 08958 93224 78147 ... 04528 68116 67297 725 26 00000	USB	(Subilo)
S06	19-2	0420	9322	Wed	480 163 24 38266 01950 10827 ... 43287 54607 86106 163 24 480 725 26 08958 93224 78147 ... 04528 68116 67297 725 26 00000	USB	(Subilo)
S06	19-2	0930	13945	Wed	480 239 46 45371 35804 59318 ... 91732 85493 12013 239 46 00000	USB	(Lac/Subilo)
S06	19-2	0930	13945	Wed	480 239 46	USB	(Subilo)
S06	19-2	1030	15643	Wed	Active	USB	(FD)
S06	19-2	1030	13547	Wed	480 239 46 45371 35804 59318 ... 91732 85493 12013 239 46 00000	USB	(Subilo)
S06	20-2	0400	11616	Thu	480 163 24 38266 01950 10827 ... 43287 54607 86106 163 24 480 725 26 08958 93224 78147 ... 04528 68116 67297 725 26 00000	USB	(Subilo)
S06	20-2	0420	9322	Thu	480 163 24 38266 01950 10827 ... 43287 54607 86106 163 24 480 725 26 08958 93224 78147 ... 04528 68116 67297 725 26 00000	USB	(Subilo)
S06	21-2	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	21-2	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	21-2	1030	11073	Fri	352 791 55 96484 52682 20435 ... 18285 53237 39070 791 55 00000	USB	(PY)
S06	21-2	1233	9463	Fri	801 (R1m) 95774 64181 ... 27117 20283 18307 245 31 00000	USB	(PY)
S06	21-2	1900	7923	Fri	842 842 842 00000	USB	(AB/Lac)
S06	21-2	2000	5943	Fri	842 842 842 00000	USB	(AB)
S06	24-2	0400	11616	Mon	480 961 52 18751 60311 74983 ... 23517 19853 73633 961 52 00000	USB	(Subilo)
S06	24-2	0420	9322	Mon	480 961 52 18751 60311 74983 ... 23517 19853 73633 961 52 00000	USB	(Subilo)
S06	24-2	1400	9463	Mon	801 264 53 20790 52108 73907 ... 07995 15634 77830 264 53 00000	USB	(PY)
S06	25-2	0400	11616	Tue	480 961 52 18751 60311 74983 ... 23517 19853 73633 961 52 00000	USB	(Subilo)
S06	25-2	0420	9322	Tue	480 961 52 18751 60311 74983 ... 23517 19853 73633 961 52 00000	USB	(Subilo)
S06	26-2	0400	11616	Wed	480 537 26 60458 47822 28963 ... 74590 20506 72308 537 26 480 629 31 06115 79499 30062 ... 21469 52235 21327 329 31 00000	USB	(Subilo)
S06	26-2	0420	9322	Wed	480 537 26 60458 47822 28963 ... 74590 20506 72308 537 26 480 629 31 06115 79499 30062 ... 21469 52235 21327 329 31 00000	USB	(Subilo)
S06	26-2	0930	13945	Wed	480 729 44 35194 21078 01389 28328 ... 41807 69372 72012 92016 729 44 00000	USB	(AB/Subilo)
S06	26-2	1030	15634	Wed	480 729 44 35194 21078 01389 28328 ... 41807 69372 72012 92016 729 44 00000	USB	(AB/Subilo)
S06	27-2	0400	11616	Thu	480 537 26 60458 47822 28963 ... 74590 20506 72308 537 26 480 629 31 06115 79499 30062 ... 21469 52235 21327 329 31 00000	USB	(Subilo)
S06	27-2	0420	9322	Thu	480 537 26 60458 47822 28963 ... 74590 20506 72308 537 26 480 629 31 06115 79499 30062 ... 21469 52235 21327 329 31 00000	USB	(Subilo)
S06	28-2	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	28-2	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06g	28-2	0925	10755	Fri	975 975 975 87531 (R) 810 32 53275 45733 93989 ... 810 32 00000 (only 29 groups were sent)	USB	(AB/PY/Subilo)
S11a	1-2	0830	5371	Sat	373/00 Konets	USB	(AB)
S11a	1-2	1850	11486	Sat	281/00 Konets	USB	(AB)
S11a	2-2	0830	5371	Sun	377/00 Konets	USB	(AB)
S11a	3-2	0700	9050	Mon	477/00 Konets	USB	(AB)
S11a	3-2	0915	6252	Mon	483/00 Konets	USB	(AB)

S11a	4-2	1400	10448	Tue	426/00 Konets	USB	(AB)
S11a	5-2	0725	23486	Wed	383/00 Konets	USB	(AB-POL)
S11a	5-2	1850	11486	Wed	281/00 Konets	USB	(AB)
S11a	6-2	0700	9050	Thu	479/00 Konets	USB	(AB)
S11a	7-2	0725	23486	Fri	381/00 Konets	USB	(AB)
S11a	7-2	0915	6252	Fri	487/00 Konets	USB	(AB)
S11a	7-2	1400	10448	Fri	426/00 Konets	USB	(AB)
S11a	8-2	0830	5371	Sat	372/00 Konets	USB	(AB)
S11a	8-2	1850	11486	Sat	284/00 Konets	USB	(AB)
S11a	9-2	0830	5371	Sun	372/00 Konets	USB	(AB)
S11a	10-2	0700	9050	Mon	477/31 Vnimanije 32516 16079 95046 ... 31521 26633 92492 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	10-2	0915	6252	Mon	480/38 Vnimanije 29336 47280 51070 ... 63413 33403 51195 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	10-2	0915	6252	Mon	480/38 Vnimanije 29336 47280 51070 ... 63413 33403 51195 Vnimanije (msg rptd) Konets	USB	(Subilo)
S11a	10-2	0915	6252	Mon	480/38 Vnimanije 29336 47280 51070 ... 63413 33403 51195 Vnimanije (msg rptd) Konets	USB	(Subilo)
S11a	11-2	0445	11559	Tue	797/35 Vnimanije 39203 88099 73434 ... 43175 43118 99618 Vnimanije (msg rptd) Konets	USB	(Subilo)
S11a	11-2	1400	10448	Tue	426/00 Konets	USB	(AB/Lac)
S11a	12-2	0725	23486	Wed	380/00 Konets	USB	(AB-POL)
S11a	12-2	1850	11486	Wed	287/36 Vnimanije 87258 77110 03453 ... 15029 33545 78624 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	13-2	0445	11559	Thu	797/35 Vnimanije 39203 88099 73434 ... 43175 43118 99618 Vnimanije (msg rptd) Konets	USB	(Subilo)
S11a	13-2	0700	9050	Thu	477/31 Vnimanije 32516 16079 95046 ... 31521 26633 92492 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	13-2	0700	9050	Thu	477/31 Vnimanije 32516 16079 95046 ... 31521 26633 92492 Vnimanije (msg rptd) Konets	USB	(Subilo/Lac)
S11a	14-2	0915	6252	Fri	484/00 Konets	USB	(AB)
S11a	14-2	0915	6252	Fri	480/38 Vnimanije 29336 47280 51070 ... 63413 33403 51195 Vnimanije (msg rptd) Konets	USB	(Subilo)
S11a	14-2	1400	10448	Fri	422/00 Konets	USB	(AB)
S11a	15-2	0830	5371	Sat	379/35 Vnimanije 85469 17124 87549 ... 50015 97217 74219 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	15-2	1850	11486	Sat	287/36 Vnimanije 87258 77110 03453 ... 15029 33545 78624 Vnimanije (msg rptd) Konets	USB	(AB/subilo)
S11a	16-2	0830	5371	Sun	379/35 Vnimanije 85469 17124 87549 ... 50015 97217 74219 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	17-2	0700	9050	Mon	477/00 Konets	USB	(AB/Subilo)
S11a	17-2	0915	6252	Mon	480/00 Konets	USB	(AB)

S11a	18-2	1400	10448	Tue	426/34	USB	(Subilo)
S11a	19-2	0510	21906	Wed	659/00	USB	(Lac)
S11a	19-2	1850	11486	Wed	286/00 Konets	USB	(AB)
S11a	20-2	0700	9050	Thu	479/00 Konets	USB	(AB)
S11a	21-2	0915	6252	Fri	484/00 Konets	USB	(AB)
S11a	21-2	1400	10448	Fri	426/34 Vnimanaye 40952 38104 88267 ... 96072 41192 62098 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	22-2	0830	5371	Sat	373/00 Konets	USB	(AB)
S11a	22-2	1850	11486	Sat	282/00 Konets	USB	(AB)
S11a	23-2	0830	5371	Sun	378/00 Konets	USB	(AB)
S11a	24-2	0510	21906	Mon	659/37 Vnimanaye 48415 49384 28512 ... 54609 04476 59152 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	24-2	0700	9050	Mon	471/00 Konets	USB	(AB)
S11a	24-2	0915	6252	Mon	485/00 Konets	USB	(AB)
S11a	25-2	1400	10448	Tue	421/00 Konets	USB	(AB)
S11a	26-2	0725	23486	Wed	384/33 Vnimanaye 54128 23185 81758 ... 58670 79232 30293 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	26-2	1850	11486	Wed	280/00 Konets	USB	(AB)
S11a	27-2	0700	9050	Thu	471/00 Konets	USB	(AB/Lac)
S11a	28-2	0725	23486	Fri	384/33 Vnimanaye 54128 23185 81758 ... 58670 79232 30293 Vnimanaye (msg rptd) Konets	USB	(Subilo/Lac)
S11a	28-2	0915	6252	Fri	487/00 Konets	USB	(AB)
S11a	28-2	1400	10448	Fri	427/00 Konets	USB	(AB)
TUN	13-2	0946	11111	Thu	STAT24: Tunisian embassy Rome sounding	MIL-STD 188-141	(AB)
TUN	14-2	0744	11111	Fri	STAT24: Tunisian embassy Rome clg STAT155: MFA Tunis	MIL-STD 188-141	(AB)
TUN	14-2	0746	11111	Fri	STAT155: MFA Tunis clg STAT24: Tunisian embassy Rome	MIL-STD 188-141	(AB)
UM04	1-2	0700	4735	Sat	VVV VVV PROMRCh = 01 02 = 1000 1040 1100 1290 1860 ... 0800 0620 0660 0800 1170 = AR	CW	(AB-HNG)
UM04	2-2	0800	4735	Sun	VVV VVV PROMRCh = 02 02 = 1000 1050 1100 1300 1870 ... 0800 0630 0670 0800 1180 = AR	CW	(AB-GRC)
UM04	3-2	0800	4735	Mon	VVV VVV PROMRCh = 03 02 = 1000 1050 1110 1300 1880 ... 0800 0640 0680 0810 1100 = AR	CW	(AB-HNG)
UM04	4-2	0800	4735	Tue	VVV VVV PROMRCh = 04 02 = 1000 1060 1110 1300 1870 ... 0800 0640 0680 0820 1220 = AR	CW	(AB-HNG)
UM04	5-2	0800	4735	Wed	VVV VVV PROMRCh = 05 02 = 1000 1050 1110 1300 1870 ... 0800 0650 0690 0830 1220 = AR	CW	(AB-HNG)
UM04	6-2	0800	4735	Thu	VVV VVV PROMRCh = 06 02 = 1000 1060 1110 1310 1880 ... 0800 0660 0700 0840 1230 = AR	CW	(AB/Subilo)
UM04	7-2	0807	4735	Fri	VVV VVV PROMRCh = 07 02 = 1000 1050 1110 1300 1870 ... 0800 0660 0700 0840 1240 = AR	CW	(AB)
UM04	8-2	0700	4735	Sat	VVV VVV PROMRCh = 08 02 = 1000 1050 1100 1300 1860 ... 0800 0670 0710 0850 1240 = AR	CW	(AB-HNG)

UM04	9-2	0800	4735	Sun	VVV VVV PROMRCh = 09 02 = 1000 1050 1110 1300 2860 ... 0800 0670 0720 0860 1260 = AR	CW	(AB-GRC)
UM04	10-2	0800	4735	Mon	VVV VVV PROMRCh = 10 02 = 1000 1050 1110 1290 1850 ... 0800 0680 0720 0870 1270 = AR	CW	(AB-HNG)
UM04	11-2	0800	4735	Tue	VVV VVV PROMRCh = 11 02 = 1000 1050 1100 1290 1850 ... 0800 0690 0730 0880 1280 = AR	CW	(AB-HNG)
UM04	12-2	0800	4735	Wed	VVV VVV PROMRCh = 12 02 = 1000 1040 1100 1280 1840 ... 0800 0690 0740 0880 1290 = AR	CW	(AB/Subilo)
UM04	13-2	0800	4735	Thu	VVV VVV PROMRCh = 13 07 = 1000 1050 1100 1290 1850 ... 0800 0700 0740 0890 1300 = AR	CW	(AB-GRC)
UM04	14-2	0800	4735	Fri	VVV VVV PROMRCh = 14 02 = 1000 1040 1100 1280 1840 ... 0800 0700 0750 0890 1310 = AR	CW	(AB)
UM04	15-2	0700	4735	Sat	VVV VVV PROMRCh = 15 02 = 1000 1040 1100 1290 1840 ... 0800 0710 0750 0900 1320 = AR	CW	(AB-HNG)
UM04	16-2	0800	4735	Sun	VVV VVV PROMRCh = 16 02 = 1000 1050 1100 1290 1840 ... 0800 0710 0760 0910 1330 = AR	CW	(AB-GRC)
UM04	17-2	0800	4735	Mon	VVV VVV PROMRCh = 17 02 = 1000 1050 1110 1290 1850 ... 0800 0720 0770 0920 1340 = AR	CW	(AB-HNG)
UM04	18-2	0801	4735	Tue	VVV VVV PROMRCh = 18 02 = 1000 1050 1100 1280 1830 ... 0800 0720 0770 0920 1350 = AR VVV	CW	(AB-HNG)
UM04	19-2	0800	4735	Wed	VVV VVV PROMRCh = 19 02 = 1000 1150 1100 1280 1830 ... 0800 0730 0780 0930 1360 = AR	CW	(AB-GRC)
UM04	20-2	0800	4735	Thu	VVV VVV PROMRCh = 20 02 = 1000 1050 1110 1290 1840 ... 0800 0740 0780 0940 1370 = AR	CW	(AB-GRC)
UM04	21-2	0800	4735	Fri	VVV VVV PROMRCh = 21 02 = 1000 1020 1080 1260 1790 ... 0800 0740 0790 0940 1380 = AR	CW	(AB-HNG)
UM04	22-2	0800	4735	Sat	VVV VVV PROMRCh = 22 02 = 1000 1060 1110 1290 1840 ... 0800 0740 0790 0940 1380 = AR	CW	(AB/Subilo)
UM04	23-2	0800	4735	Sun	VVV VVV PROMRCh = 23 02 = 1000 1160 1110 1290 1840 ... 0800 0740 0790 0950 1380 = AR	CW	(AB-GRC)
UM04	24-2	0800	4735	Mon	VVV VVV PROMRCh = 24 02 = 1000 1060 1110 1290 1840 ... 0800 0750 0790 0950 1390 = AR	CW	(AB-HNG)
UM04	25-2	0800	4735	Tue	VVV VVV PROMRCh = 25 02 = 1000 1070 1120 1300 1850 ... 0800 0750 0800 0960 1400 = AR	CW	(AB/Subilo)
UM04	26-2	0800	4735	Wed	VVV VVV PROMRCh = 26 02 = 1000 1080 1140 1310 1870 ... 0800 0760 0810 0970 1400 = AR	CW	(AB-GRC)
UM04	27-2	0800	4735	Thu	VVV VVV PROMRCh = 27 02 = 100E 1090 1140 1320 1880 ... 0800 0760 0810 0970 1410 = AR	CW	(AB-GRC)
UM04	28-2	0800	4735	Fri	VVV VVV PROMRCh = 28 02 = 1000 1100 1150 1330 1890 ... 0800 0770 0820 0970 1420 = AR	CW	(AB-HNG)
UM05	1-2	0816	7542.8	Sat	Cendres (R), Tonnere (R), K (R), H (R), etc.	CW	(AB)
UM05	2-2	0808	7542.8	Sun	Terre (R), Carotte (R), Cygne (R), etc.	CW	(AB)
UM05	4-2	0752	7542.8	Tue	Micro ondes (R), Telecommande (R), Nuit (R), etc	CW	(AB)

UM05	5-2	0747	7542.8	Wed	Mot (R), Vin (R), Z (R), Velo (R), etc.	CW	(AB)
UM05	6-2	0715	7542.8	Thu	J (R), Universite (R), Z (R), etc.	CW	(AB)
UM05	7-2	0700	7542.8	Fri	Cuisine (R), Tasse (R), Plat (R), Desert (R), Maison (R), Kiwi (R), Chenille (R), etc.	CW	(AB)
UM05	8-2	0823	7542.8	Sat	Universite (R), Fevrier (R), etc.	CW	(AB)
UM05	9-2	0746	7542.8	Sun	J (R), Photo (R), Champ (R), Kangourou (R), Appareil (R), M (R), Matin (R), etc.	CW	(AB)
UM05	10-2	0810	7542.8	Mon	K (R), Calendrier (R), Matiere (R), etc.	CW	(AB)
UM05	11-2	0801	7542.8	Tue	Marron (R), Serpent (R), etc.	CW	(AB)
UM05	12-2	0701	7542.8	Wed	Maison (R), Public (R), N (R), L (R), Bus (R), etc.	CW	(AB)
UM05	13-2	0701	7542.8	Thu	Pain (R), Neptune (R), Le)R), Koala (R), W (R), etc.	CW	(AB)
UM05	13-2	1727	7542.	Thu	Pomme (R), etc.	CW	(HFD)
UM05	14-2	0840	7542.8	Fri	Lecture (R). Photo (R), Weka (R), Amer (R), 1 (R), etc.	CW	(AB)
UM05	15-2	0712	7542.8	Sat	Agile (R), Amitie (R), Peinture (R), Television (R), X (R), etc.	CW	(AB)
UM05	16-2	0705	7542.8	Sun	Poisson (R), Rougegorge (R), Carte (R), Te (R), etc.	CW	(AB)
UM05	17-2	0827	7542.8	Mon	Biere (R), Argument (R), Thetre (R), Oie (R), etc.	CW	(AB)
UM05	18-2	0714	7542.8	Tue	Poids (R), Texte (R), Idée (R), Tunnel (R), etc.	CW	(AB)
UM05	19-2	0716	7542.8	Wed	Maison (R), The (R), Takahe (R), Autoroute (R), etc.	CW	(AB)
UM05	20-2	0755	7542.8	Thu	Lettre (R), N (R), Signe (R), etc.	CW	(AB)
UM05	21-2	0752	7542.8	Fri	Verre (R), Rever (R), Fevrier (R), Viande (R), CTE (R), etc.	CW	(AB)
UM05	22-2	0712	7542.8	Sat	Cause (R), Terre (R), Savon (R), 7 (R), Col (R), etc.	CW	(AB)
UM05	23-2	0702	7542.8	Sun	Riz (R), Football (R), Pleurer (R), Juin (R), T (R), etc.	CW	(AB)
UM05	24-2	0839	7542.8	Mon	Riviere (R), Ete (R), Voyage (R), Arret (R), etc.	CW	(AB)
UM05	25-2	0932	7542.8	Tue	Shampooing (R), Koala (R), Q (R), Maladie (R), Pleurer (R), etc.	CW	(AB)
UTC	2-2	0730	12093	Sun	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(PY)
UTC	2-2	0800	9412	Sun	480 967 43 01623 36197 35823 ... 61754 68159 67505 967 43 00000	USB	(PY)
V07	2-2	0200	18217	Sun	238 238 238 1 5819 92 5819 92 14463 20582 97561 ... 69140 54554 02823 000 000	USB	(HFD-USA)
V07	2-2	0220	16317	Sun	238 238 238 1 5819 92 5819 92 14463 20582 97561 ... 69140 54554 02823 000 000	USB	(HFD-USA)
V07	2-2	0240	15817	Sun	238 238 238 1 5819 92 5819 92 14463 20582 97561 ... 69140 54554 02823 000 000	USB	(Dan/HFD-USA)
V07	9-2	0200	18217	Sun	238 238 238 1 1261 56 1261 56 54927 49191 93028 ... 23815 48301 50173 000 000	USB	(Dan)
V07	16-2	0200	18217	Sun	238 238 238 1 3628 87 3628 87 45098 85712 94149 ... 12932 53694 70941 000 000	USB	(Dan)
V07	23-2	0200	18217	Sun	238 238 238 1 8510 92 8510 92 34388 58492 73265 ... 65217 71186 35166 000 000	USB	(Dan)
V13	2-2	0100	15388	Sun	New Star Broadcasting. Station 4. Messages to units 4987, 7611, 8243	USB	(FSpy)
V13	2-2	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 0981, 4281, 6400	USB	(Fspy)
V13	2-2	0230	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 3357, 4364, 4889	USB	(FSpy)
V13	2-2	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 0981, 4281, 6400	USB	(Fspy)
V13	2-2	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 0488, 2862, 3818	USB	(AVX)
V13	3-2	0000	19052	Mon	New Star Broadcasting. Station 1(a). Messages to units 4943, 5090, 5356	USB	(AVX)
V13	3-2	0000	13974	Mon	New Star Broadcasting. Station 3. Messages to units 2280, 2799, 3444	USB	(AVX/FSpy)
V13	3-2	0030	19052	Mon	New Star Broadcasting. Station 1(a). Messages to units 4943, 5090, 5356	USB	(FSpy)
V13	9-2	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 8253, 9358, 9761	USB	(FSpy)
V13	9-2	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 5854, 6006, 9273	USB	(FSpy)
V13	9-2	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 3673, 4445, 8688	USB	(FSpy)
V13	9-2	0230	8169	Sun	New Star Broadcasting. Station 1. Messages to units 3673, 4445, 8688	USB	(FSpy)

V13	9-2	0300	8300	Sun	New Star Broadcasting. Station 2. Messages to units 0957, 6063, 7214	USB	(FSpy)
V13	9-2	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 0338, 7371, 9192	USB	(AVX)
V13	10-2	0000	19052	Mon	New Star Broadcasting. Station 1(a). Messages to units 5510, 5618, 5886, 5995	USB	(AVX)
V13	11-2	0030	19052	Tue	New Star Broadcasting. Station 1(a). Messages to units 5510, 5618, 5886, 5995	USB	(AVX)
V13	16-2	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0977, 3753, 9835	USB	(FSpy)
V13	16-2	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 3560, 4320, 4359	USB	(FSpy)
V13	16-2	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 3465, 4476, 5357	USB	(AVX)
V13	16-2	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 4321, 8601, 8846	USB	(FSpy)
V13	16-2	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 0664, 3185, 6611	USB	(AVX)
V13	17-2	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 3560, 4320, 4359	USB	(FSpy)
V13	18-2	0200	8169	Tue	New Star Broadcasting. Station 1. Messages to units 4321, 8601, 8846	USB	(FSpy)
V13	23-2	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0287, 5375, 8451	USB	(FSpy)
V13	23-2	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 0701, 3218, 6431	USB	(FSpy)
V13	23-2	0200	8169	Sun	New Star Broadcasting. Station 1(b). Messages to units 4568, 7233, 7603	USB	(FSpy)
V13	23-2	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 0457, 4137, 7186	USB	(FSpy)
V13	23-2	0300	11430	Sun	New Star Broadcasting. Station 1. Messages to units 4568, 7233, 7603	USB	(FSpy)
V13	23-2	0330	9276	Sun	New Star Broadcasting. Station 2. Messages to units 0457, 4137, 7186	USB	(FSpy)
V13	23-2	1000	20095	Sun	New Star Broadcasting. Station 5. Messages to units 4341, 7143, 8452	USB	(AVX)
V13	25-2	1200	15388	Tue	New Star Broadcasting. Station 1(a). Messages to units 7153, 7300, 7436	USB	(AVX)
V13	28-2	0800	8169	Fri	New Star Broadcasting. Station 1(b). Repeats at 0828, 0843, 0850z	USB	(AVX)
V13	28-2	0800	13974	Fri	New Star Broadcasting. Station 2. Repeats at 0828, 0843, 0850z	USB	(AVX)
V13	28-2	0800	19052	Fri	New Star Broadcasting. Station 4. Repeats at 0828, 0843, 0850z	USB	(AVX)
V13	28-2	0800	20025	Fri	New Star Broadcasting. Station 2. Repeats at 0828, 0843, 0850z	USB	(AVX)
V13	28-2	0800	20095	Fri	New Star Broadcasting. Station 5. Repeats at 0828, 0843, 0850z	USB	(AVX)
V13a	11-2	0030	19052	Tue	New Star Broadcasting. Station 1. Messages to units 5510, 5618, 5886, 5995	AM	(FSpy)
V13a	26-2	0130	19052	Wed	New Star Broadcasting. Station 1. Messages to units 7153, 7300, 7436	AM	(FSpy)
X--	6-2	0715	18561	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	6-2	1348	18561	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	7-2	0716	13397	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-2	0842	18569	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-2	0846	16274	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X05	21-2	1309	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	3-2	0754	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(Moon)
X06	3-2	0754	19874	Mon	MFA Moscow clg 125643: Russian embassy Ulaanbaatar	MFSK-6	(Moon)
X06	3-2	0759	13452	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(Moon)
X06	5-2	0744	15819	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(Moon)
X06	5-2	0917	17445	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(RO)
X06	6-2	0813	14445	Thu	Test: 334566	MFSK-6	(AB)
X06	6-2	0919	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	6-2	1407	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB)
X06	7-2	0904	12094	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(AB)
X06	7-2	0912	16219	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(AB)

X06	7-2	1021	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB)
X06	7-2	1046	12194	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB)
X06	8-2	1218	16103	Sat	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Rycat)
X06	8-2	1230	18197	Sat	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
X06	8-2	1230	18197	Sat	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Rycat)
X06	9-2	0916	14865	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	9-2	0926	14865	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(T101)
X06	9-2	0932	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO/Moon)
X06	10-2	0927	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	11-2	0753	11545	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	11-2	1011	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	12-2	0823	13369	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/Moon)
X06	12-2	0902	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/Moon)
X06	14-2	0841	12213	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(AB/RO)
X06	14-2	0927	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)
X06	17-2	0737	13452	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB/Moon)
X06	17-2	0826	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern. Off and back at 0828z	MFSK-6	(AB/Moon)
X06	17-2	0900	14392	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/RO)
X06	18-2	0907	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RO)
X06	18-2	0937	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	19-2	0918	18197	Wed	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	19-2	1053	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	19-2	1059	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	19-2	1226	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Moon)
X06	19-2	1237	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Moon)
X06	19-2	1240	20374	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Rycat)
X06	20-2	0754	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/Moon)
X06	20-2	1405	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/Rycat)
X06	20-2	1522	15866	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB/Rycat)
X06	20-2	1529	17463	Thu	256134	USB	(Lac)
X06	21-2	1016	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB/Moon)
X06	24-2	0827	17475	Mon	MFA Mosco2 clg 156234: Russian embassy Kampala	MFSK-6	(AB/RO)
X06	24-2	0932	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	25-2	0805	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	25-2	1007	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	26-2	0829	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(Moon)
X06	26-2	0851	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06	26-2	0904	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(Moon)
X06	28-2	0947	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB/RO)
X06	28-2	1007	20605	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(RO)
X06b	20-2	0824	9560	Thu	225566	USB	(Lac)
X06b	20-2	1519	16430	Thu	332211	USB	(Lac)

XPA1	5-2	1310	14374	Wed	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB/HFD)
XPA1	5-2	1330	13374	Wed	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB/HFD)
XPA1	5-2	1350	11474	Wed	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB/HFD)
XPA1	7-2	1310	14374	Fri	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	7-2	1330	13374	Fri	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	7-2	1350	11474	Fri	334 334 334 1 00401 00132 83562 ... 56955 47280 27730	MFSK-20/10Bd	(AB)
XPA1	12-2	1310	14374	Wed	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	12-2	1330	13374	Wed	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	12-2	1350	11474	Wed	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	14-2	1310	14374	Fri	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	14-2	1330	13374	Fri	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	14-2	1350	11474	Fri	334 334 334 1 00491 00147 53722 ... 00771 80885 55510	MFSK-20/10Bd	(AB)
XPA1	19-2	1310	14374	Wed	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	19-2	1330	13374	Wed	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	19-2	1350	11474	Wed	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	21-2	1310	14374	Fri	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	21-2	1330	13374	Fri	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	21-2	1350	11474	Fri	334 334 334 1 00719 00099 90436 ... 02598 05906 11230	MFSK-20/10Bd	(AB)
XPA1	26-2	1310	14374	Wed	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	26-2	1330	13374	Wed	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	26-2	1350	11474	Wed	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	28-2	1310	14374	Fri	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	28-2	1330	13374	Fri	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	28-2	1350	11474	Fri	334 334 334 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA2	1-2	0910	16146	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	0930	15846	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	0950	14446	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	1600	11461	Sat	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	1620	10261	Sat	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	1640	9161	Sat	00156 00182 70933 ... 90015 48450 33341	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0800	13387	Mon	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0820	13887	Mon	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0840	14787	Mon	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0910	16102	Mon	02077 00001 00000 34661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0930	14951	Mon	02077 00001 00000 34661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0950	13991	Mon	02077 00001 00000 34661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	1600	11461	Mon	04231 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	3-2	1620	10261	Mon	04231 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	3-2	1640	9161	Mon	04231 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	4-2	1100	12147	Tue	04602 00001 00000 35254	MFSK-16/20Bd	(AB/HFD)
XPA2	4-2	1120	10347	Tue	04602 00001 00000 35254	MFSK-16/20Bd	(AB/HFD)
XPA2	4-2	1140	9247	Tue	04602 00001 00000 35254	MFSK-16/20Bd	(AB/HFD)

XPA2	4-2	1600	12173	Tue	03705 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	4-2	1620	10373	Tue	03705 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	4-2	1640	9373	Tue	03705 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	5-2	0800	13387	Wed	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB)
XPA2	5-2	0820	13887	Wed	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB)
XPA2	5-2	0840	14787	Wed	06664 00214 17550 ... 27570 36637 47540	MFSK-16/20Bd	(AB)
XPA2	5-2	0910	16102	Wed	08855 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-2	0930	14951	Wed	08855 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-2	0950	13991	Wed	08855 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-2	1100	13967	Wed	04337 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	5-2	1120	13367	Wed	04337 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	5-2	1140	11567	Wed	04337 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	5-2	1220	16356	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	5-2	1240	17456	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	6-2	0910	16146	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	6-2	0930	15846	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	6-2	0950	14446	Thu	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	6-2	1100	13967	Thu	02931 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-2	1120	13367	Thu	02931 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-2	1140	11567	Thu	02931 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	6-2	1600	12173	Thu	07745 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	6-2	1620	10373	Thu	07745 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	6-2	1640	9373	Thu	07745 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	7-2	1100	12147	Fri	03918 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	7-2	1120	10347	Fri	03918 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	7-2	1140	9247	Fri	03918 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	7-2	1200	14956	Fri	00655 00196 94166 ... 09606 46896 03427	MFSK-16/20Bd	(AB)
XPA2	7-2	1220	16356	Fri	00655 00196 94166 ... 09606 46896 03427	MFSK-16/20Bd	(AB)
XPA2	7-2	1240	14576	Fri	00655 00196 94166 ... 09606 46896 03427	MFSK-16/20Bd	(AB)
XPA2	8-2	0910	16146	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	8-2	0930	15846	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	8-2	0950	14446	Sat	08199 00068 23768 ... 93255 08970 00354	MFSK-16/20Bd	(AB)
XPA2	8-2	1600	11461	Sat	01620 00001 00000 34253	MFSK-16/20Bd	(AB)
XPA2	8-2	1620	10261	Sat	01620 00001 00000 34253	MFSK-16/20Bd	(AB)
XPA2	8-2	1640	9161	Sat	01620 00001 00000 34253	MFSK-16/20Bd	(AB)
XPA2	10-2	0800	13387	Mon	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	10-2	0820	13887	Mon	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	10-2	0840	14787	Mon	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	10-2	0910	16102	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB/EW)
XPA2	10-2	0930	14951	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	10-2	0950	13991	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	10-2	1600	11461	Mon	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)

XPA2	10-2	1620	10261	Mon	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)
XPA2	10-2	1640	9161	Mon	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)
XPA2	11-2	1100	12147	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	11-2	1120	10347	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	11-2	1140	9247	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	11-2	1600	12173	Tue	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB/HFD)
XPA2	11-2	1620	10373	Tue	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB/HFD)
XPA2	11-2	1640	9373	Tue	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB/HFD)
XPA2	12-2	0800	13387	Wed	09213 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	12-2	0820	13887	Wed	09213 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	12-2	0840	14787	Wed	09213 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	12-2	0910	16102	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	12-2	0930	14951	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	12-2	0950	13991	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	12-2	1100	13967	Wed	03555 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	12-2	1120	13367	Wed	03555 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	12-2	1140	11567	Wed	03555 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	12-2	1200	14956	Wed	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	12-2	1220	16356	Wed	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	12-2	1240	14576	Wed	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	13-2	0910	16146	Thu	09796 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	13-2	0930	15846	Thu	09796 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	13-2	0950	14446	Thu	09796 00001 00000 37672	MFSK-16/20Bd	(AB)
XPA2	13-2	1100	13967	Thu	02687 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-2	1120	13367	Thu	02687 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-2	1140	11567	Thu	02687 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-2	1600	12173	Thu	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB)
XPA2	13-2	1620	10373	Thu	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB)
XPA2	13-2	1640	9373	Thu	00377 00105 19338 ... 06702 76444 07306	MFSK-16/20Bd	(AB)
XPA2	14-2	1100	12147	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	14-2	1120	10347	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	14-2	1140	9247	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	14-2	1200	14956	Fri	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	14-2	1220	16356	Fri	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	14-2	1240	14576	Fri	00775 00252 28764 ... 81905 54766 00171	MFSK-16/20Bd	(AB)
XPA2	15-2	0910	16146	Sat	09257 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	15-2	0930	15846	Sat	09257 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	15-2	0950	14446	Sat	09257 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	15-2	1600	11461	Sat	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)
XPA2	15-2	1620	10261	Sat	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)
XPA2	15-2	1640	9161	Sat	00850 00179 35156 ... 80349 62081 74321	MFSK-16/20Bd	(AB)
XPA2	17-2	0800	13387	Mon	07474 00001 00000 35266	MFSK-16/20Bd	(AB)

XPA2	17-2	0820	13887	Mon	07474 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	17-2	0840	14787	Mon	07474 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	17-2	0910	16102	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	17-2	0930	14951	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	17-2	0950	13991	Mon	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	17-2	1600	11461	Mon	06229 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	17-2	1620	10261	Mon	06229 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	17-2	1640	9161	Mon	06229 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	18-2	1100	12147	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	18-2	1120	10347	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	18-2	1140	9247	Tue	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	18-2	1600	12173	Tue	02603 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	18-2	1620	10373	Tue	02603 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	18-2	1640	9373	Tue	02603 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	19-2	0800	13387	Wed	02353 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	19-2	0820	13887	Wed	02353 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	19-2	0840	14787	Wed	02353 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	19-2	0910	16102	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	19-2	0930	14951	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	19-2	0950	13991	Wed	05161 00110 08001 ... 85976 89930 54615	MFSK-16/20Bd	(AB)
XPA2	19-2	1100	13967	Wed	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	19-2	1120	13367	Wed	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	19-2	1140	11567	Wed	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	19-2	1200	14956	Wed	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	19-2	1220	16356	Wed	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	19-2	1240	14576	Wed	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	20-2	0910	16146	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	20-2	0930	15846	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	20-2	0950	14446	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	20-2	1100	13967	Thu	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	20-2	1120	13367	Thu	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	20-2	1140	11567	Thu	03271 00070 45748 ... 76298 27227 03500	MFSK-16/20Bd	(AB)
XPA2	20-2	1600	12173	Thu	05580 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	20-2	1620	10373	Thu	05580 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	20-2	1640	9373	Thu	05580 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	21-2	1100	12147	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	21-2	1120	10347	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	21-2	1140	9247	Fri	00320 00098 77750 ... 59804 92319 73233	MFSK-16/20Bd	(AB)
XPA2	21-2	1200	14956	Fri	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	21-2	1220	16356	Fri	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	21-2	1240	14576	Fri	00782 00175 35690 ... 71058 27693 45056	MFSK-16/20Bd	(AB)
XPA2	22-2	0910	16146	Sat	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)

XPA2	22-2	0930	15846	Sat	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	22-2	0950	14446	Sat	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	22-2	1600	11461	Sat	09164 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	22-2	1620	10261	Sat	09164 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	22-2	1640	9161	Sat	09164 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	24-2	0800	13387	Mon	06392 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	24-2	0820	13887	Mon	06392 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	24-2	0840	14787	Mon	06392 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	24-2	0910	16102	Mon	06088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	24-2	0930	14951	Mon	06088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	24-2	0950	13991	Mon	06088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	24-2	1600	11461	Mon	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB)
XPA2	24-2	1620	10261	Mon	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB)
XPA2	24-2	1640	9161	Mon	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB)
XPA2	25-2	1100	12147	Tue	09777 00001 00000 40270	MFSK-16/20Bd	(AB)
XPA2	25-2	1120	10347	Tue	09777 00001 00000 40270	MFSK-16/20Bd	(AB)
XPA2	25-2	1140	9247	Tue	09777 00001 00000 40270	MFSK-16/20Bd	(AB)
XPA2	25-2	1600	12173	Tue	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)
XPA2	25-2	1620	10373	Tue	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)
XPA2	25-2	1640	9373	Tue	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)
XPA2	26-2	0800	13387	Wed	01316 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	26-2	0820	13887	Wed	01316 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	26-2	0840	14787	Wed	01316 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	26-2	0910	16102	Wed	07162 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	26-2	0930	14951	Wed	07162 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	26-2	0950	13991	Wed	07162 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	26-2	1100	13967	Wed	02726 00001 00000 37654	MFSK-16/20Bd	(AB)
XPA2	26-2	1120	13367	Wed	02726 00001 00000 37654	MFSK-16/20Bd	(AB)
XPA2	26-2	1140	11567	Wed	02726 00001 00000 37654	MFSK-16/20Bd	(AB)
XPA2	26-2	1200	14956	Wed	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB/HFD)
XPA2	26-2	1200	14956	Thu	msg (hfd)	MFSK-16/20Bd	(HFD)
XPA2	26-2	1220	16356	Wed	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB)
XPA2	26-2	1240	14576	Wed	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB)
XPA2	27-2	0910	16146	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	27-2	0930	15846	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	27-2	0950	14446	Thu	00507 00112 30569 ... 16584 55320 44606	MFSK-16/20Bd	(AB)
XPA2	27-2	1100	13967	Thu	04877 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	27-2	1120	13367	Thu	04877 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	27-2	1140	11567	Thu	04877 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	27-2	1600	12173	Thu	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)
XPA2	27-2	1620	10373	Thu	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)
XPA2	27-2	1640	9373	Thu	00287 00152 50864 ... 96031 32442 40315	MFSK-16/20Bd	(AB)

XPA2	28-2	1100	12147	Fri	07989 00001 00000 42267	MFSK-16/20Bd	(AB)
XPA2	28-2	1120	10347	Fri	07989 00001 00000 42267	MFSK-16/20Bd	(AB)
XPA2	28-2	1140	9247	Fri	07989 00001 00000 42267	MFSK-16/20Bd	(AB)
XPA2	28-2	1200	14956	Fri	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB)
XPA2	28-2	1220	16356	Fri	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB)
XPA2	28-2	1240	14576	Fri	00613 00123 76175 ... 64091 92215 27051	MFSK-16/20Bd	(AB)
XPB1	1-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-2	0600	19521	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	3-2	0610	19121	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	3-2	0620	18221	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	3-2	0630	17421	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	3-2	0640	16321	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	3-2	0650	15821	Mon	Russian intel.	MFSK-16	(AB-POL/HFD)
XPB1	4-2	0600	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	0610	19121	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	0620	18221	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	0630	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	0640	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	0650	15821	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB/HFD)

XPB1	8-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-2	0600	19521	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	10-2	0610	19121	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	10-2	0620	18221	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	10-2	0630	17421	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	10-2	0640	16321	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	10-2	0650	15821	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	11-2	0600	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	0610	19121	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	0620	18221	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	0630	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	0640	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	0650	15821	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)

XPB1	17-2	0600	19521	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	17-2	0610	19121	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	17-2	0620	18221	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	17-2	0630	17421	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-2	0640	16321	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-2	0650	15821	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0600	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0610	19121	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0620	18221	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0630	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0640	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	0650	15821	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-2	0600	19521	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	24-2	0610	19121	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	24-2	0620	18221	Mon	Russian intel.	MFSK-16	(AB-POL)
XPB1	24-2	0630	17421	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-2	0640	16321	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-2	0650	15821	Mon	Russian intel.	MFSK-16	(AB)

XPB1	25-2	0600	19521	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	0610	19121	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	0620	18221	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	0630	17421	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	0640	16321	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	0650	15821	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB)

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06 and V06 are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03f	FSK-2 400Bd/800Hz	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03g	BPSK 50Bd/1000Hz/464 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03h	BPSK 100Bd/1000Hz/512 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army

M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXd YHXd YHXd DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese miliary
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -

C	...	3	...	Colon	[:]	---
D	...	4	....	Question mark	[?]	..--..
E	.	5	.....	Exclamation mark	[!]	-.-.--
F	...-	6	-....	Apostrophe	[']	.-----
G	--.	7	--...	Dash or Hyphen	[-]	-----
H	....	8	----	Slash	[/]	---.
I	..	9	----	Left-hand bracket	[(]	-.--.
J	.---	0	-----	Right-hand bracket	[)]	-.--.-
K	..-			Quotation marks	[" "]	-.--.
L	...-			Equals sign	[BT =]	----
M	--	Accented letters		Understood		...-
N	..	Ä	..-	Plus sign	[+]	-.--.
O	---	Á	....-	Invitation to transmit		.-
P	...-	CH	----	Wait	[AS]	-....
Q	---.	É	...-	End of Transmission	[SK, VA]	...--.
R	..-	Ö	----	End of message	[AR]	-.--.
S	...	Ü	....-	Starting signal		-.--.
T	-			Multiplication sign	[×]	---
U	..-			At sign	[@]	-.--.-
V	...-			Break	[BK]	-----
W	...-			Ampersand	[&]	-....
X	...-					
Y	..-					
Z	----					

For Cyrillic morse etc., see also
<http://udxf.nl/Morse-document.pdf>
<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	---
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	----	Số không	Zero	nul	Null	Zero
1	.-----	Một	Van	adinka	Eins	One

2	.. — — —	Hai	To	dvoyka	Twso	Two
3	... — —	Ba	Fwee	troyka	Drei	Three
4	.... —	Bô'n	Fo	chetvyorka	Vier	Four
5	.....	Nâm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— —	Ba | y	Seven	syem	Sieben	Seven
8	— — — ..	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	— . . . —					
/	— . . . —					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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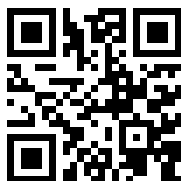
NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.gth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

710 27364 92836 89428 61286 13982 36498 32764 31276 01
 086 80932 70987 32123 49817 26366 81287 65491 87364 81
 721 75654 55656 12737 72727 71918 63473 67867 76
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